Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082019\

Quantitation Report (QT Reviewed)

Data File : BN007282.D
Acq On : 21 Aug 2019 06:38
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Aug 21 07:10:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	5871	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	22664	0.40	ng		0.00
13) Acenaphthene-d10	14.06	164	12900	0.40	ng		0.00
19) Phenanthrene-d10	16.80	188	29433	0.40	ng		0.00
27) Chrysene-d12	21.03	240	28634	0.40	ng		0.00
34) Perylene-d12	23.14	264	32697	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.04	112	6836	0.38	ng		0.00
5) Phenol-d6	6.60	99	8357	0.41	ng		0.00
8) Nitrobenzene-d5	8.54	82	6985	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	11.77	152	15807	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	2656	0.37	ng		0.00
15) 2-Fluorobiphenyl	12.68	172	22457	0.41	ng		0.00
25) Fluoranthene-d10	18.85	212	37041	0.40	ng		0.00
29) Terphenyl-d14	19.47	244	29686	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.01	88	3262	0.391	ng		97
3) n-Nitrosodimethylamine	3.33	42	2099	0.376	ng		99
6) bis(2-Chloroethyl)ether	6.85	93	7109	0.410	ng		98
9) Naphthalene	10.22	128	26494	0.412	ng		100
10) Hexachlorobutadiene	10.52	225	5725	0.404	ng	#	99
12) 2-Methylnaphthalene	11.84	142	18312	0.412	ng		99
16) Acenaphthylene	13.77	152	28424	0.416	ng		99
17) Acenaphthene	14.11	154	17521	0.402	ng		98
18) Fluorene	15.12	166	23010	0.404	ng		100
20) 4-Bromophenyl-phenylether	16.01	248	7142	0.424	ng	#	81
21) Hexachlorobenzene	16.12	284	8121	0.417	ng		100
22) Pentachlorophenol	16.46	266	3078	0.393	ng		97
23) Phenanthrene	16.85	178	37733	0.409	ng		100
24) Anthracene	16.94	178	33606	0.405	ng		99
26) Fluoranthene	18.88	202	44601	0.399	ng		100
28) Pyrene	19.25	202	45378	0.424	ng		100
30) Benzo(a)anthracene	21.02	228	43965	0.413	ng		98
31) Chrysene	21.06	228	45320	0.417	ng		100
32) Bis(2-ethylhexyl)phthalate	20.98	149	18596	0.437	ng		99
33) Indeno(1,2,3-cd)pyrene	25.21	276	57598	0.441	ng		99
35) Benzo(b)fluoranthene	22.52	252	46404	0.381	ng		100
36) Benzo(k)fluoranthene	22.56	252	47374	0.397	ng		98
37) Benzo(a)pyrene	23.05	252	43752	0.398	ng		100
38) Dibenzo(a,h)anthracene	25.22	278	46560	0.403	ng		98
39) Benzo(g,h,i)perylene	25.83	276	45731	0.392	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

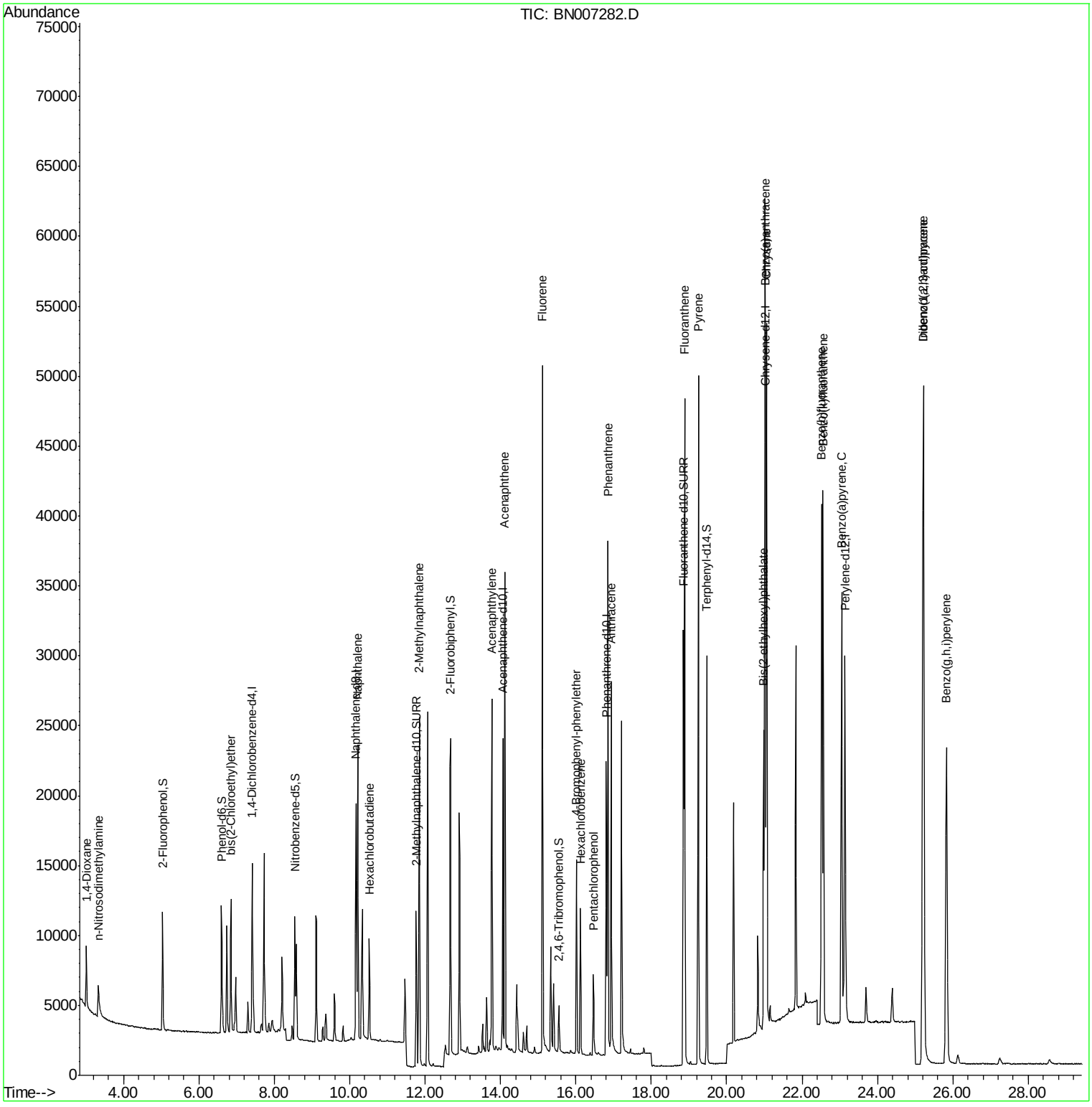
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082019\

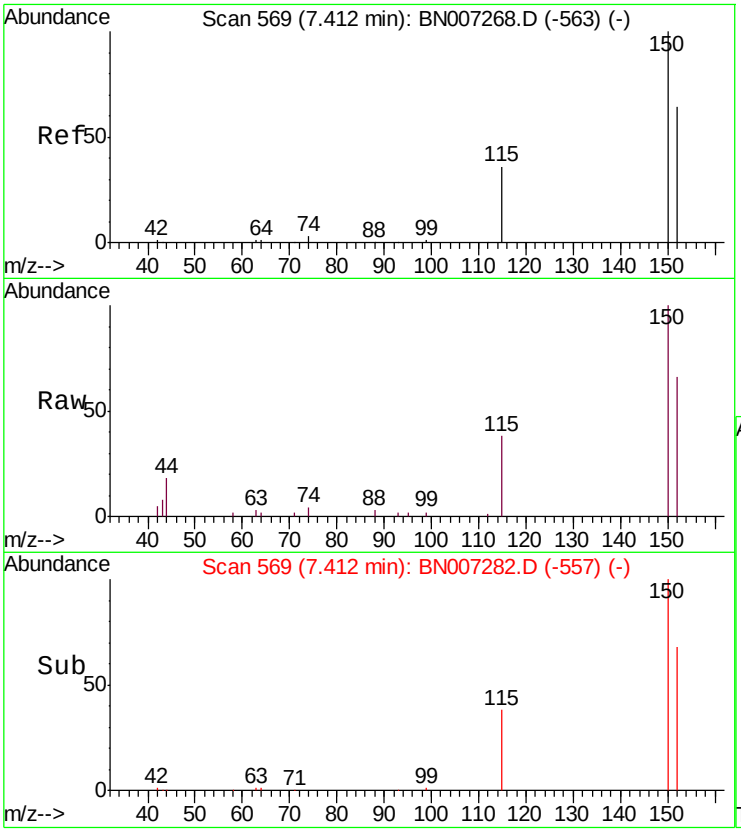
Quantitation Report (QT Reviewed)

Data File : BN007282.D
Acq On : 21 Aug 2019 06:38
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Aug 21 07:10:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration



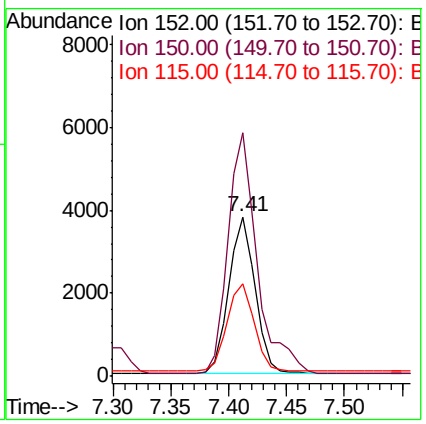


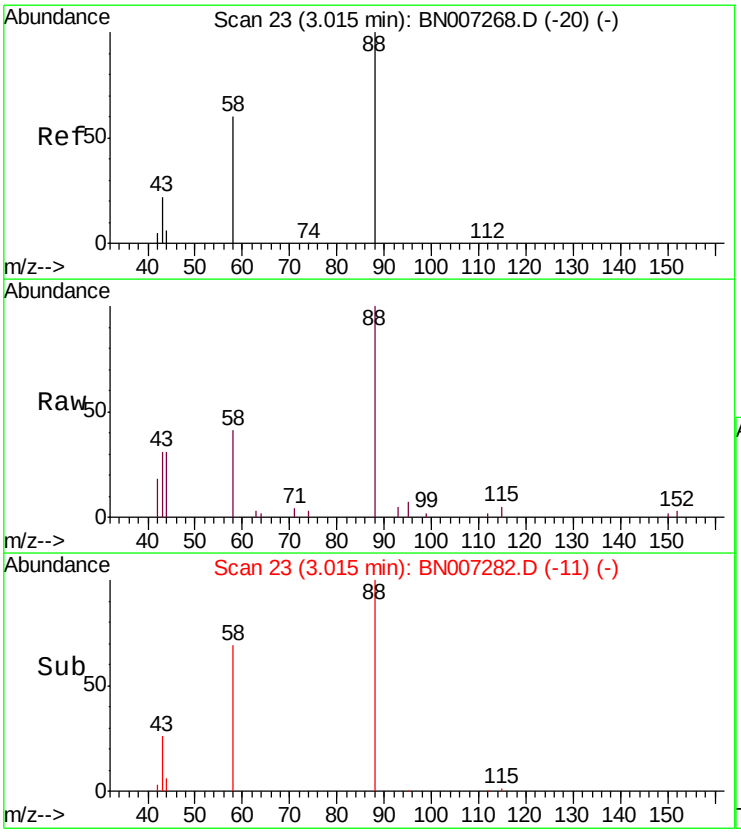
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 5871

Ion	Ratio	Lower	Upper
152	100		
150	152.5	123.8	185.8
115	58.4	47.3	70.9

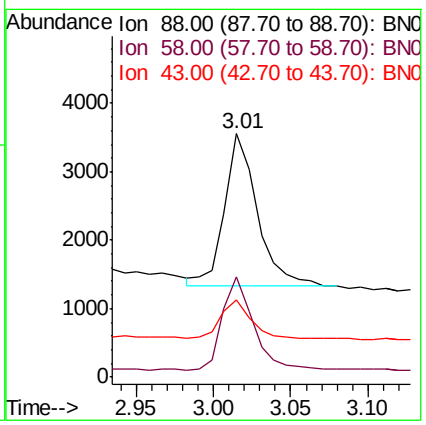


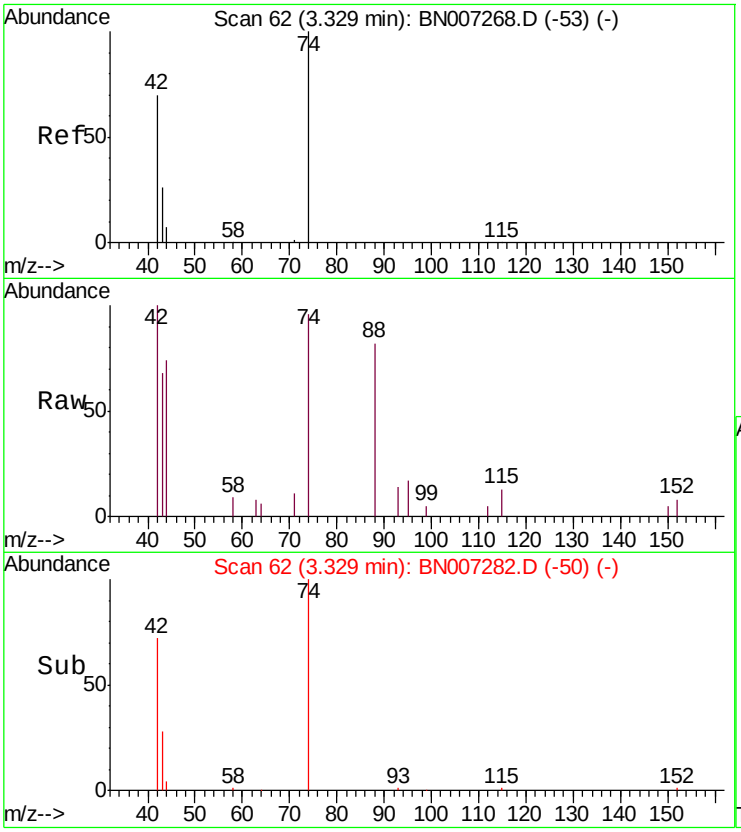


#2
1,4-Dioxane
Concen: 0.391 ng
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion: 88 Resp: 3262

Ion	Ratio	Lower	Upper
88	100		
58	58.7	45.5	68.3
43	23.5	20.4	30.6



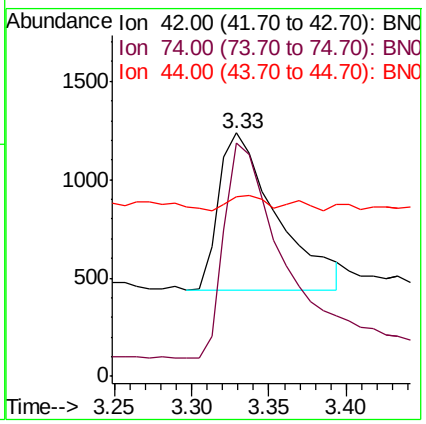


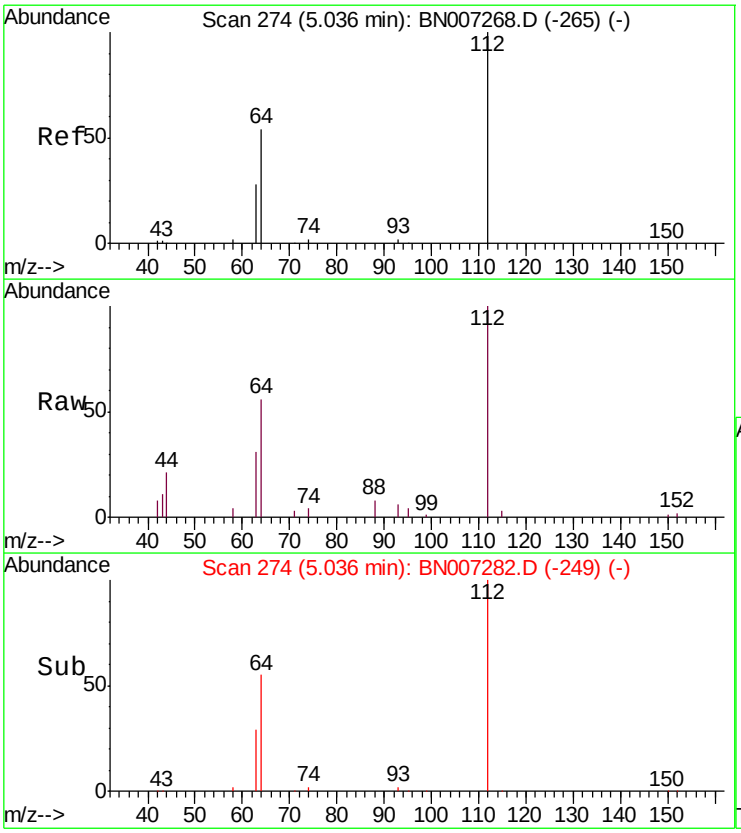
#3
n-Nitrosodimethylamine
Concen: 0.376 ng
RT: 3.33 min Scan# 62
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 2099

Ion	Ratio	Lower	Upper
42	100		
74	135.1	109.0	163.4
44	5.8	4.2	6.2

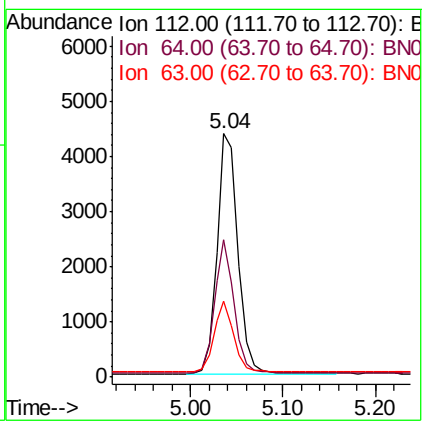


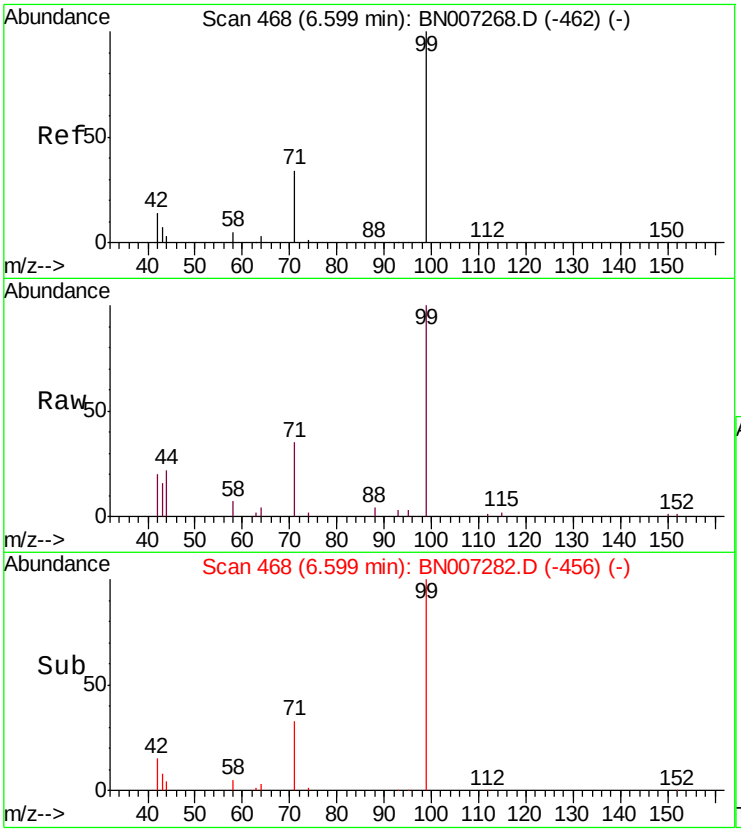


#4
2-Fluorophenol
Concen: 0.382 ng
RT: 5.04 min Scan# 274
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:112 Resp: 6836

Ion	Ratio	Lower	Upper
112	100		
64	52.3	41.8	62.8
63	27.6	22.6	34.0



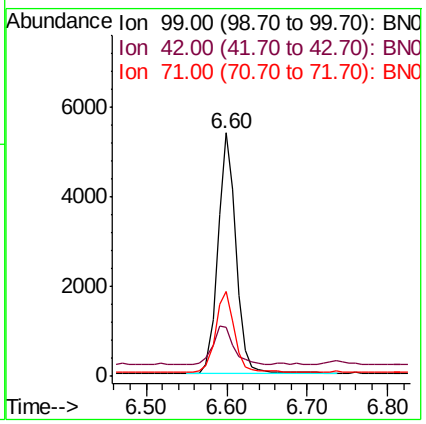


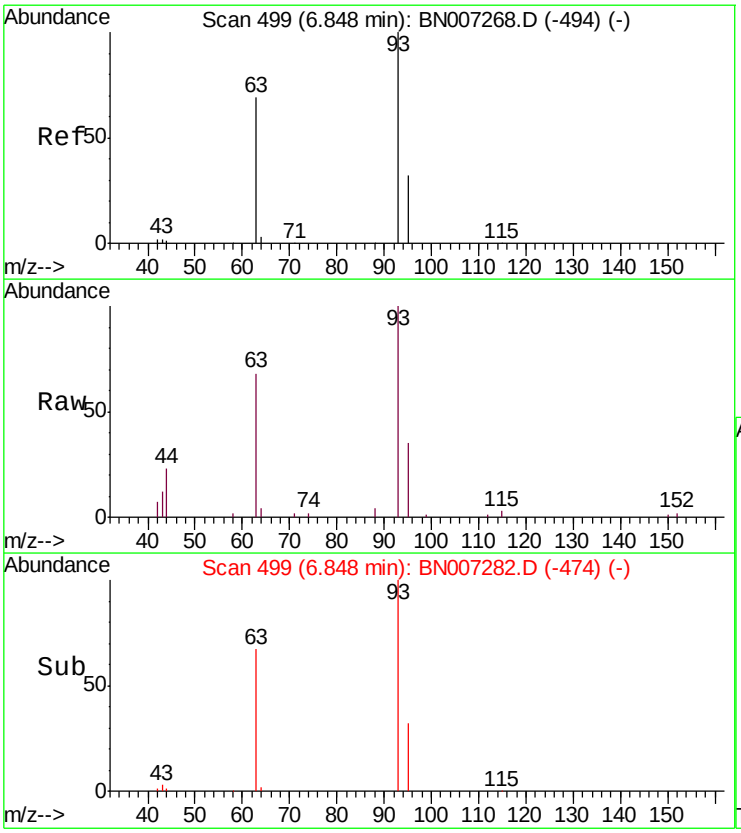
#5
Phenol-d6
Concen: 0.406 ng
RT: 6.60 min Scan# 468
Delta R.T. 0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 8357

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.3	21.5
71	34.2	27.3	40.9

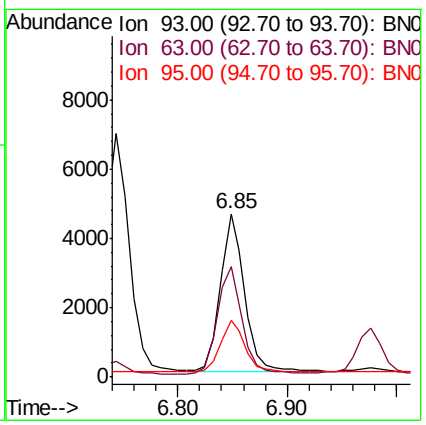


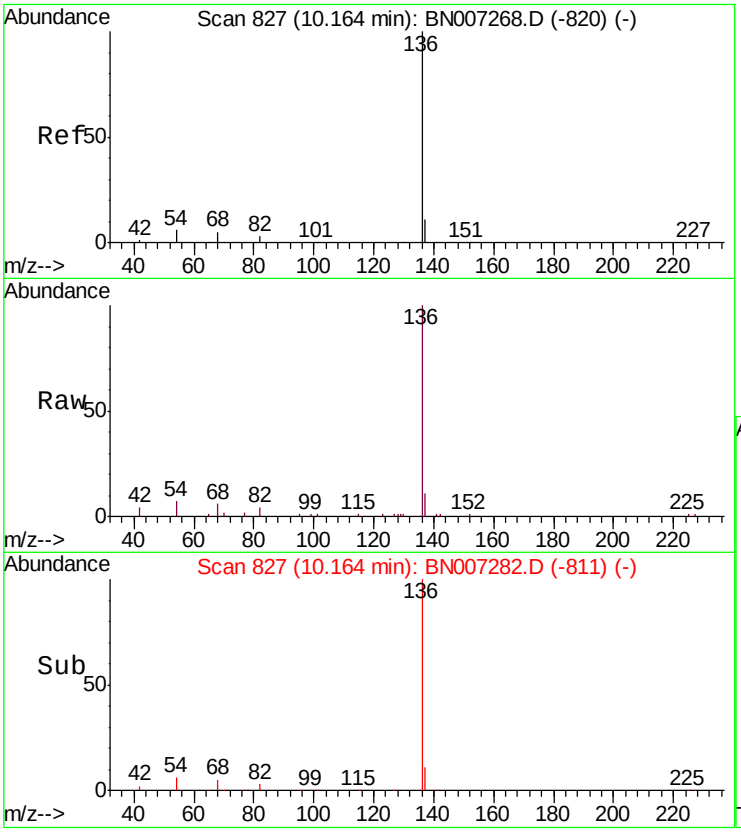


#6
bis(2-Chloroethyl)ether
Concen: 0.410 ng
RT: 6.85 min Scan# 499
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion: 93 Resp: 7109

Ion	Ratio	Lower	Upper
93	100		
63	69.3	54.4	81.6
95	33.5	25.5	38.3



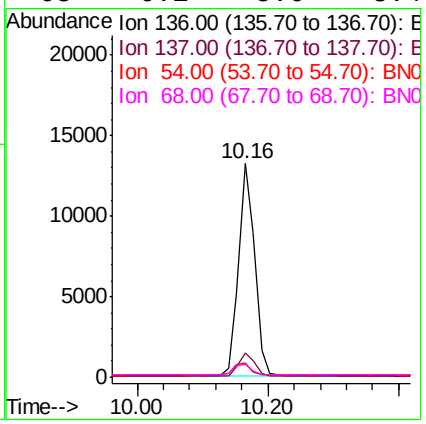


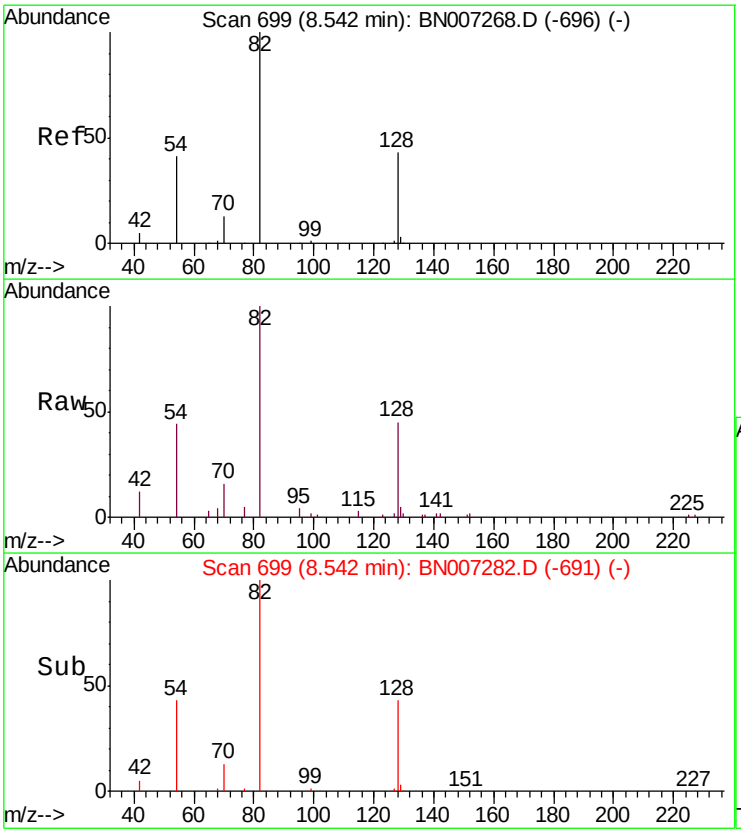
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 827
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 22664

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.7	5.9	8.9
68	6.1	5.6	8.4

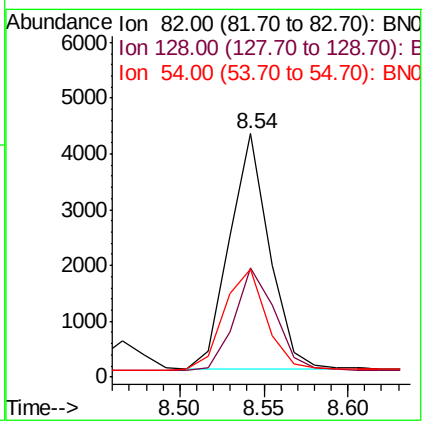


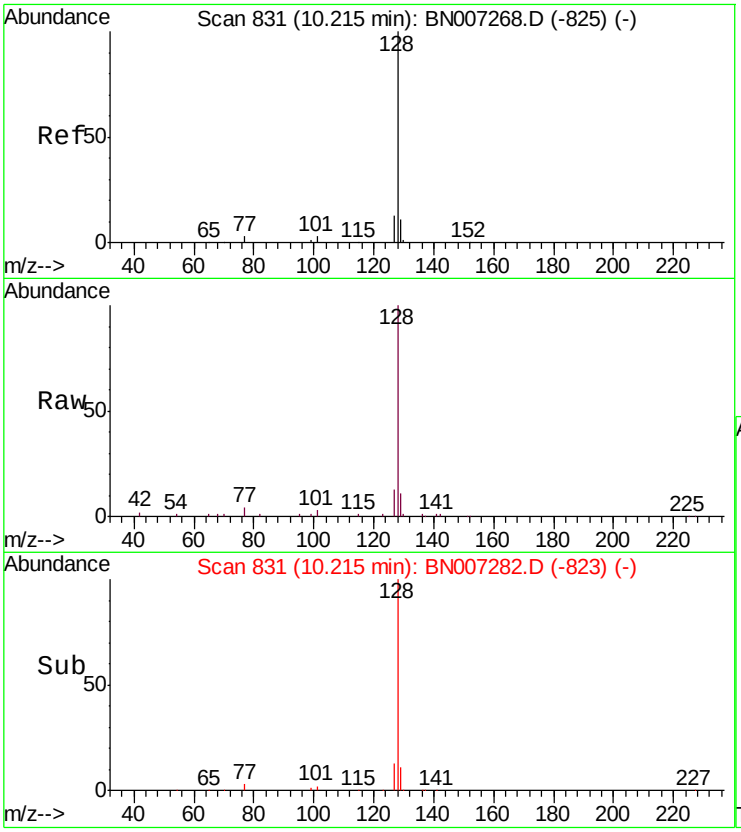


#8
Nitrobenzene-d5
Concen: 0.402 ng
RT: 8.54 min Scan# 699
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion: 82 Resp: 6985

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.8	53.6
54	44.4	34.7	52.1



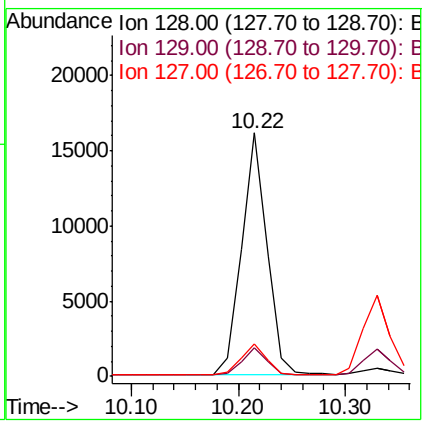


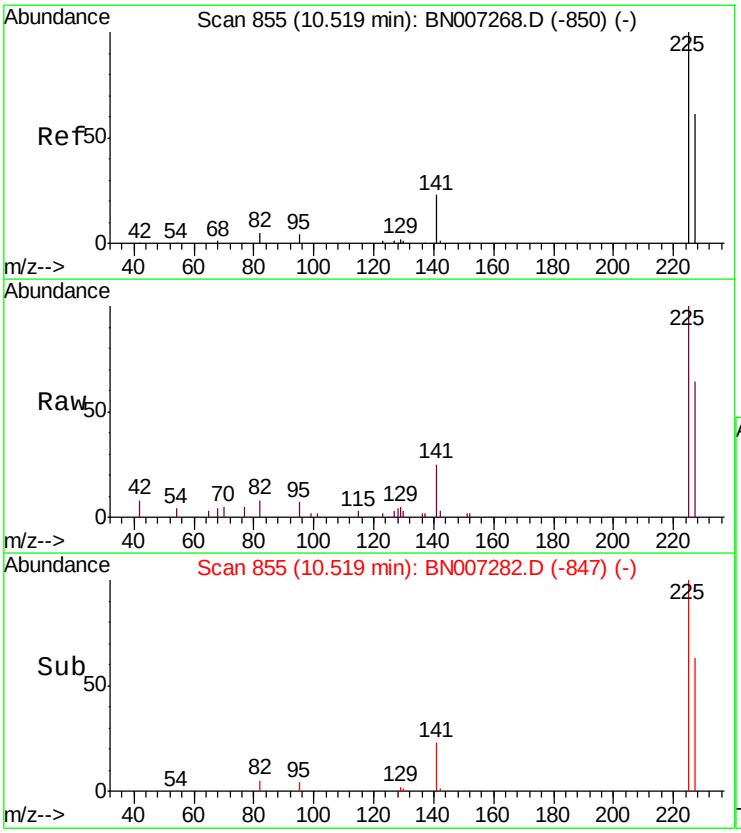
#9
Naphthalene
Concen: 0.412 ng
RT: 10.22 min Scan# 831
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 26494

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.4	10.6	16.0

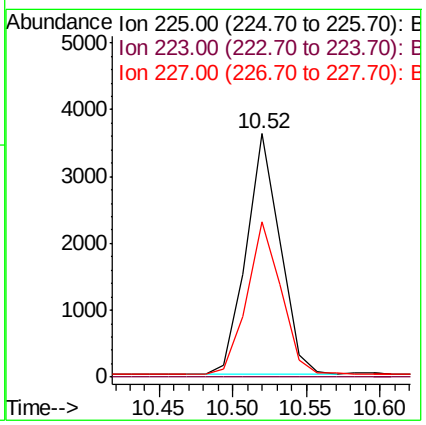


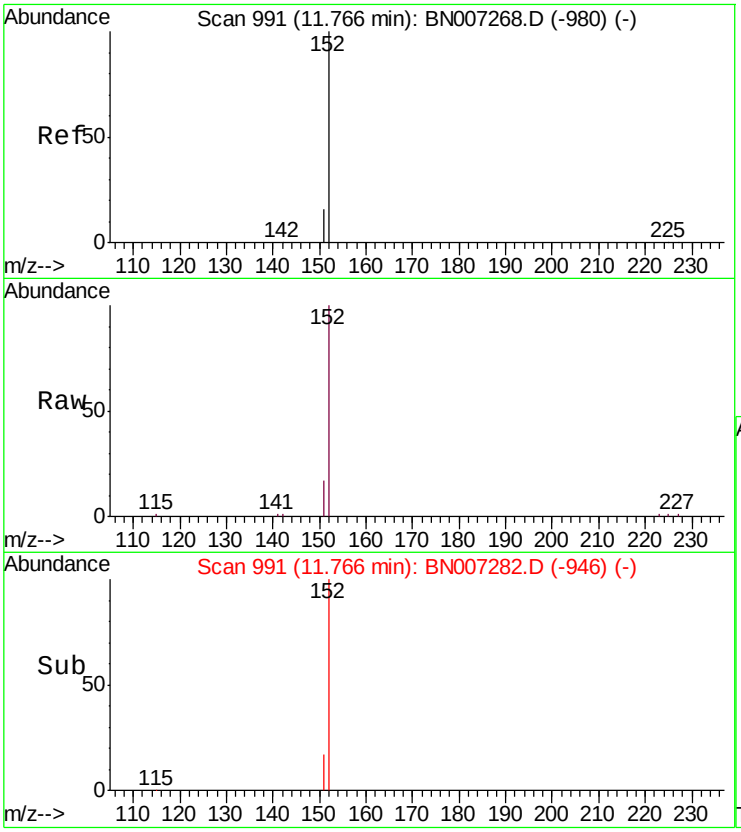


#10
Hexachlorobutadiene
Concen: 0.404 ng
RT: 10.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:225 Resp: 5725

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.1	50.2	75.2



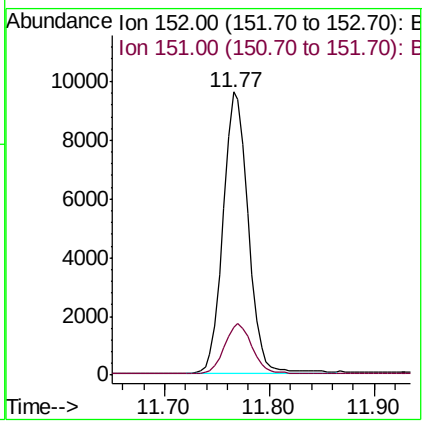


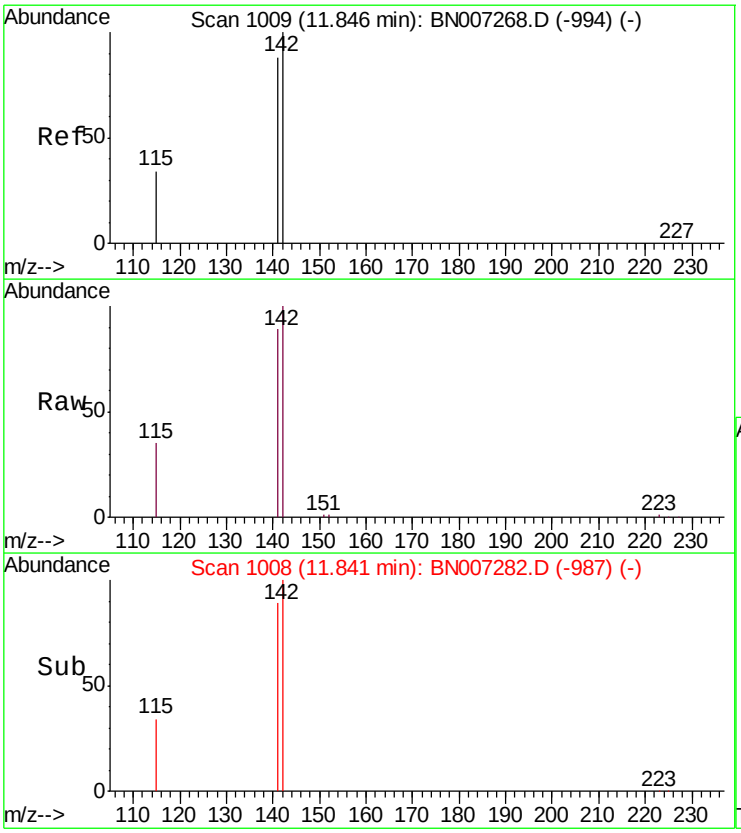
#11
2-Methylnaphthalene-d10
Concen: 0.404 ng
RT: 11.77 min Scan# 991
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 15807

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.2	22.8

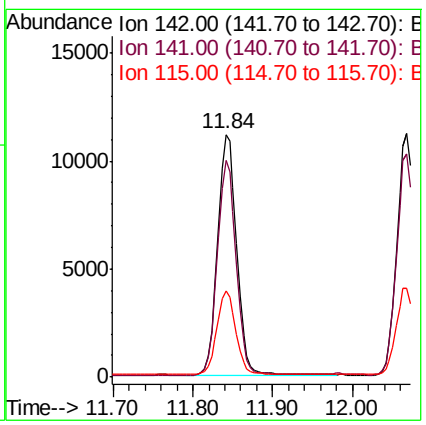


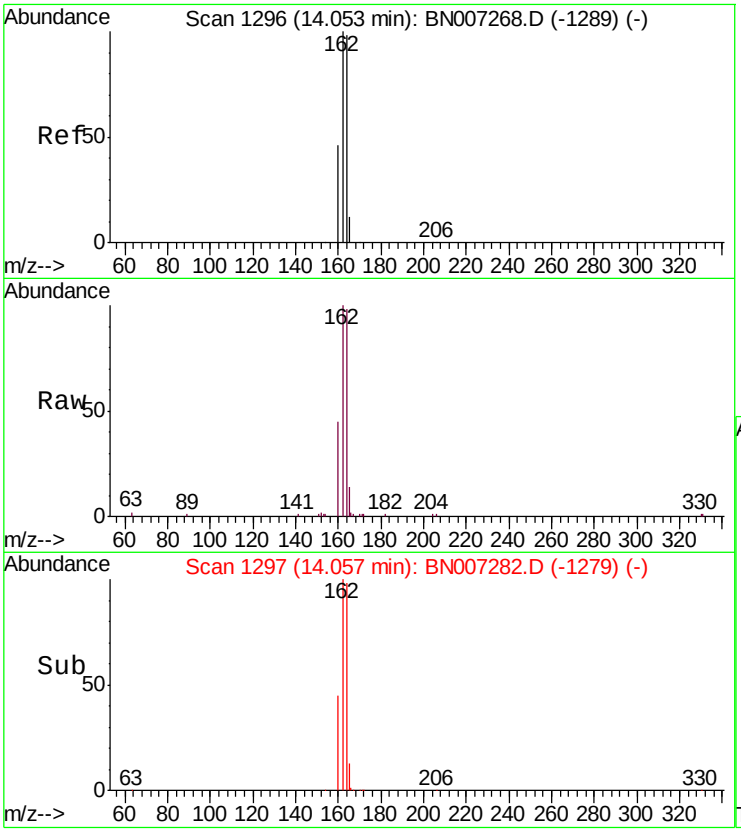


#12
2-Methylnaphthalene
Concen: 0.412 ng
RT: 11.84 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:142 Resp: 18312

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.7	106.1
115	35.3	28.1	42.1



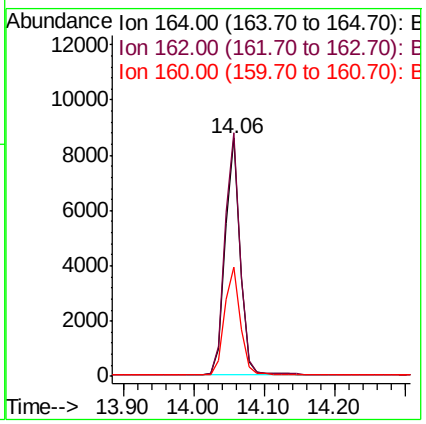


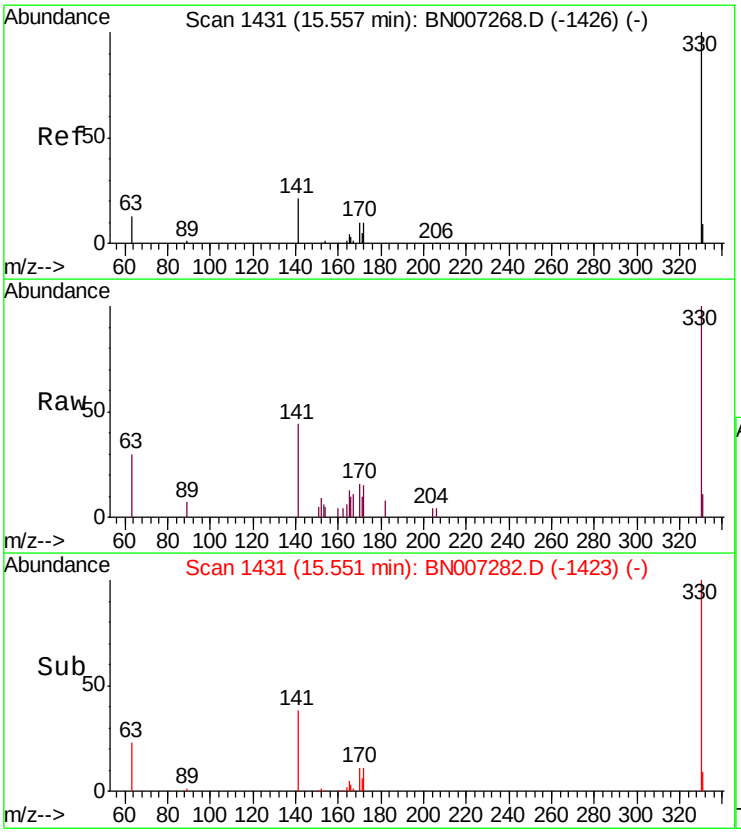
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 12900

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.0	123.0
160	45.9	38.2	57.4

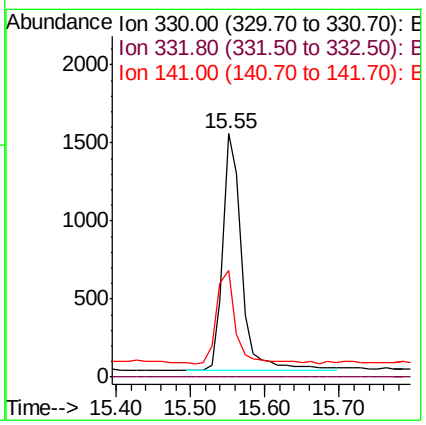


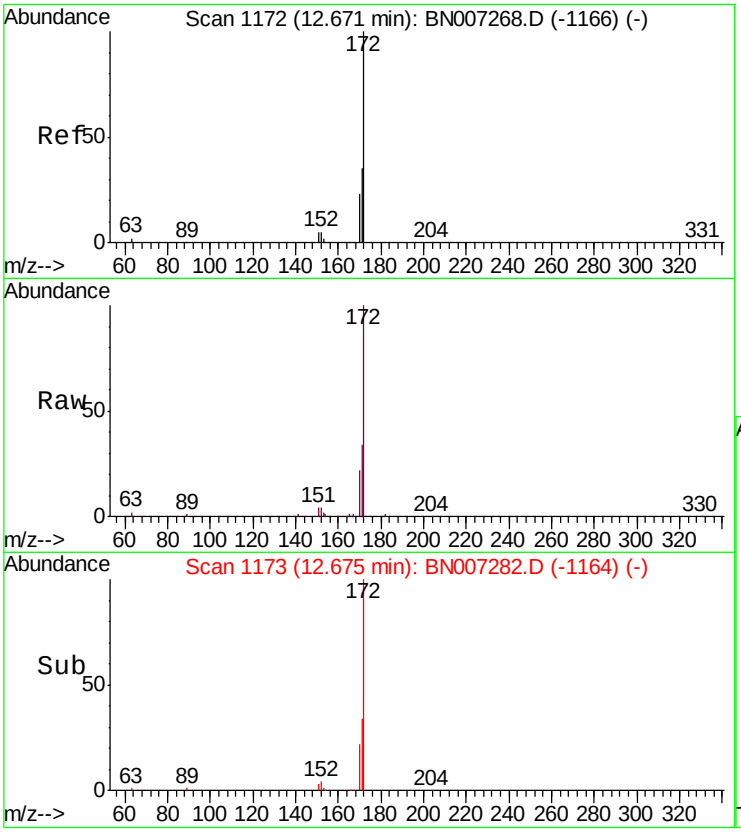


#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:330 Resp: 2656

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.6	30.3	45.5



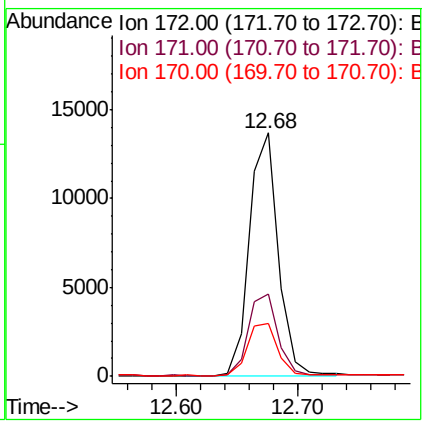


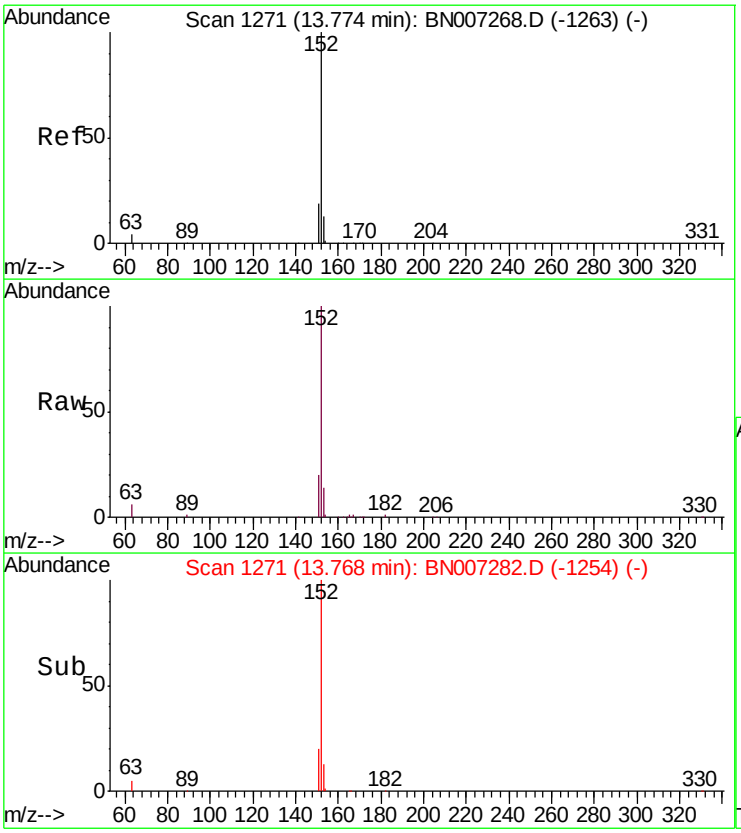
#15
2-Fluorobiphenyl
Concen: 0.406 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 22457

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.6	43.0
170	21.9	18.7	28.1

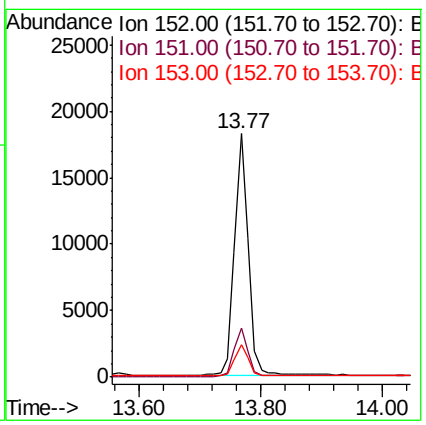


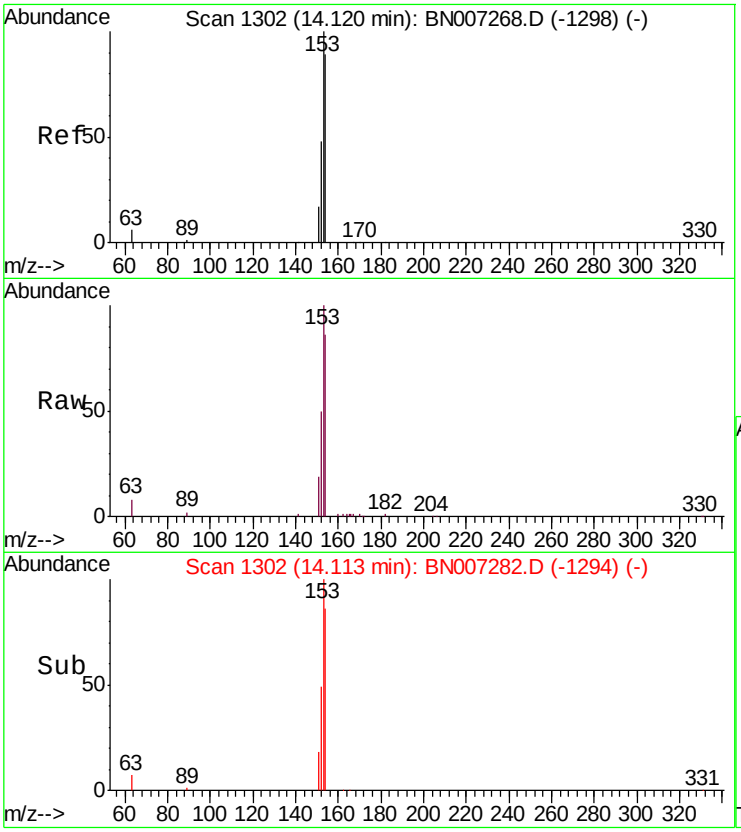


#16
Acenaphthylene
Concen: 0.416 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:152 Resp: 28424

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.4	23.2
153	13.0	10.1	15.1



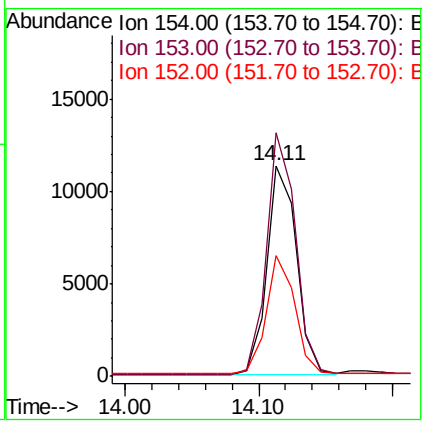


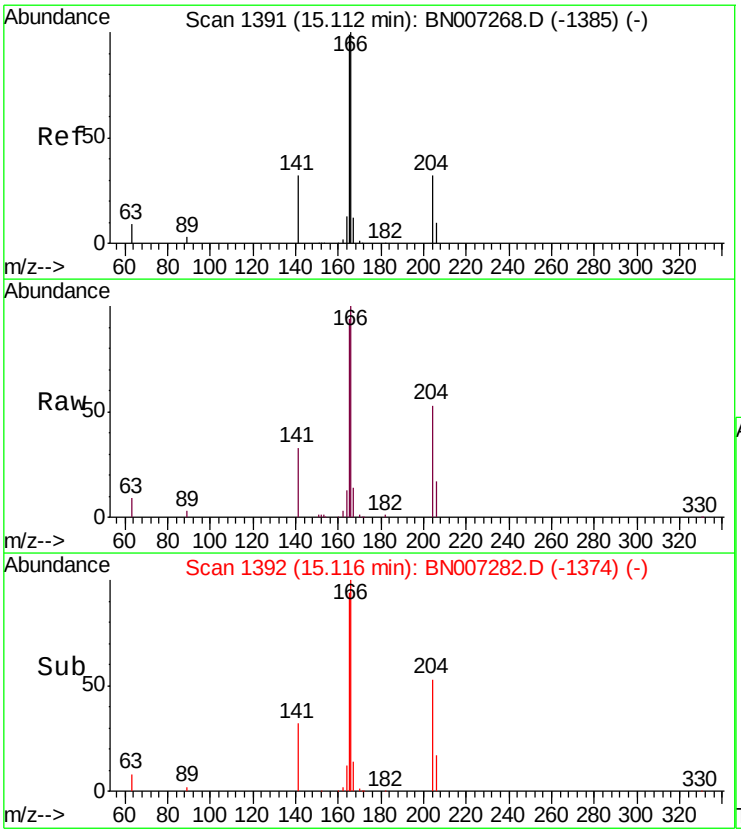
#17
Acenaphthene
Concen: 0.402 ng
RT: 14.11 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 17521

Ion	Ratio	Lower	Upper
154	100		
153	115.4	89.9	134.9
152	55.7	43.9	65.9

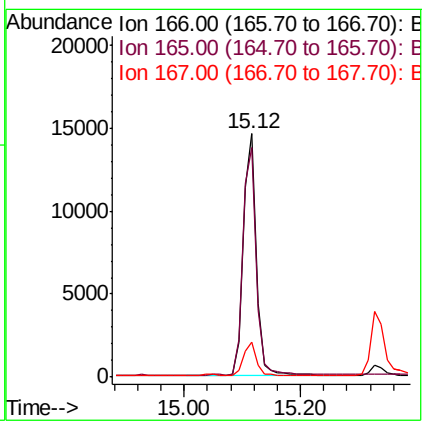


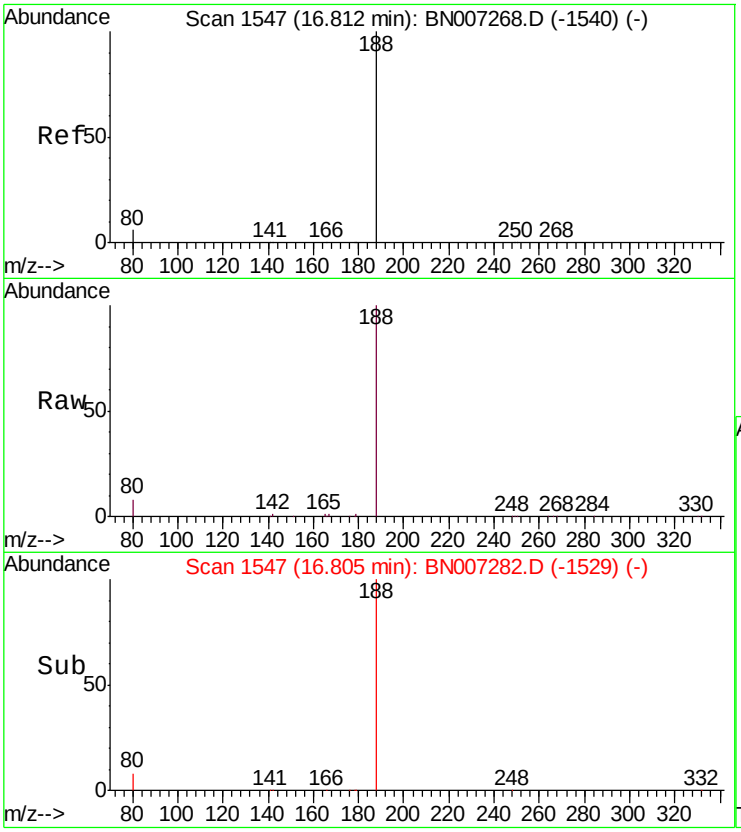


#18
Fluorene
Concen: 0.404 ng
RT: 15.12 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:166 Resp: 23010

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.3	117.5
167	13.1	11.1	16.7



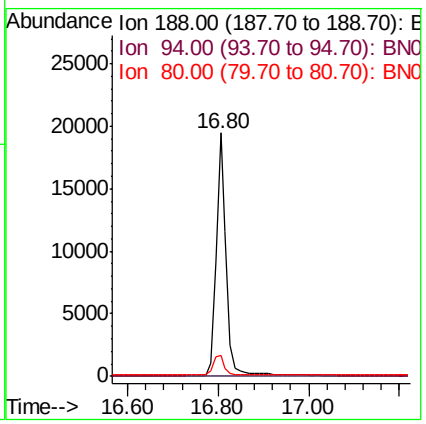


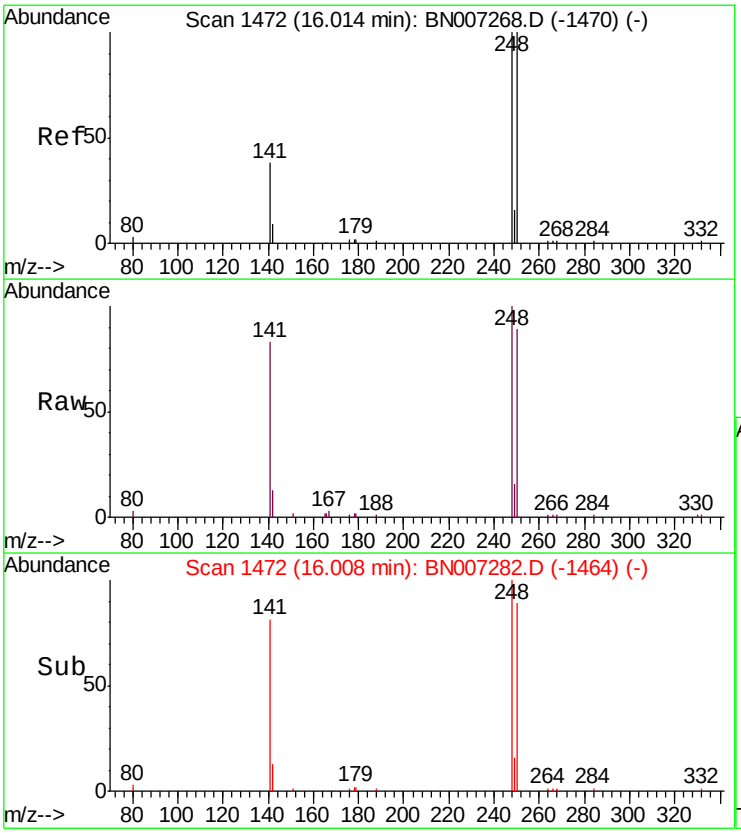
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 29433

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	5.2	7.8#

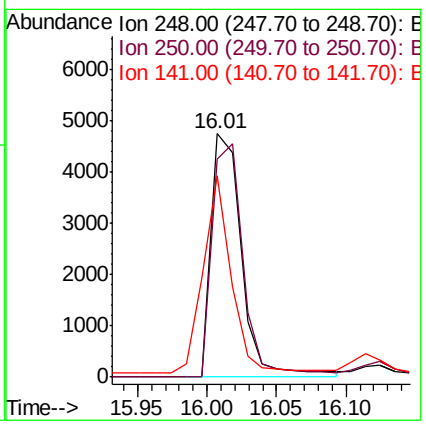


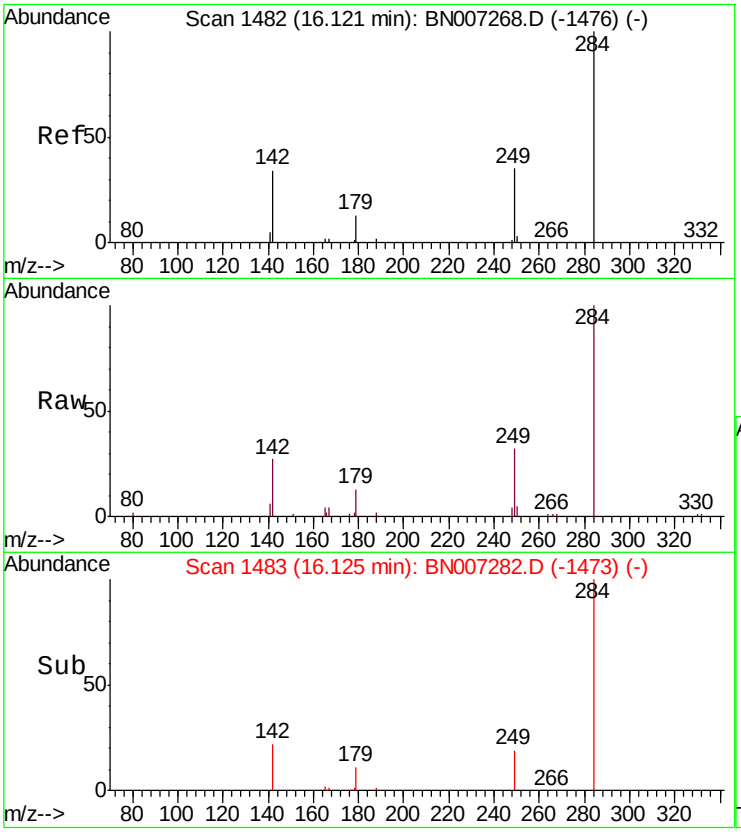


#20
4-Bromophenyl-phenylether
Concen: 0.424 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:248 Resp: 7142

Ion	Ratio	Lower	Upper
248	100		
250	89.4	79.6	119.4
141	82.7	45.1	67.7#



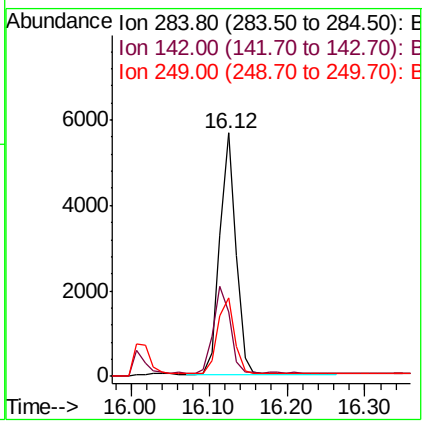


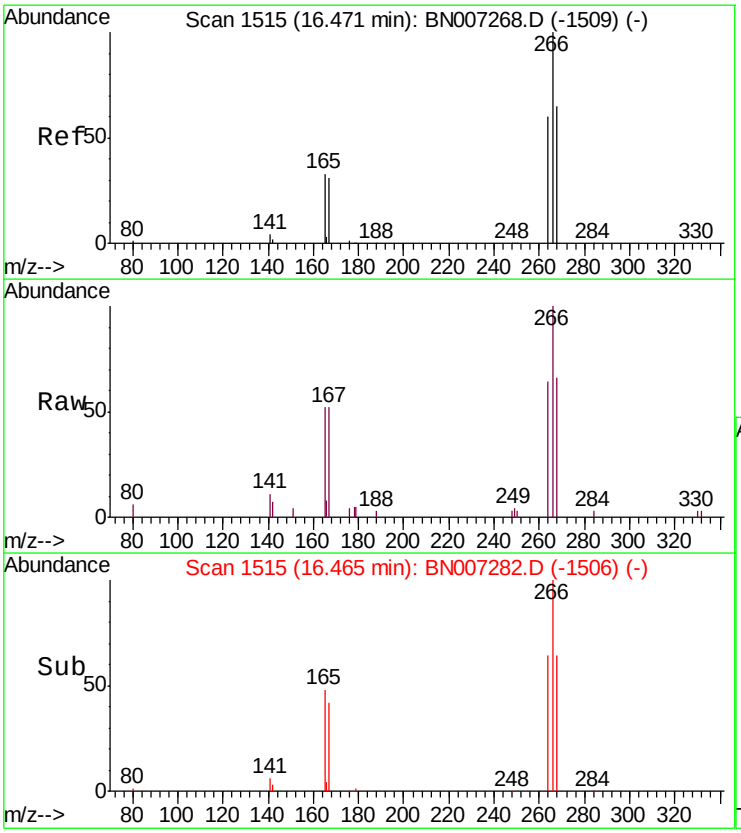
#21
Hexachlorobenzene
Concen: 0.417 ng
RT: 16.12 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 8121

Ion	Ratio	Lower	Upper
284	100		
142	37.0	29.5	44.3
249	32.7	26.2	39.4

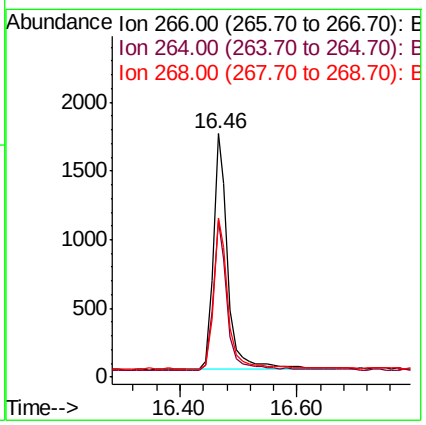


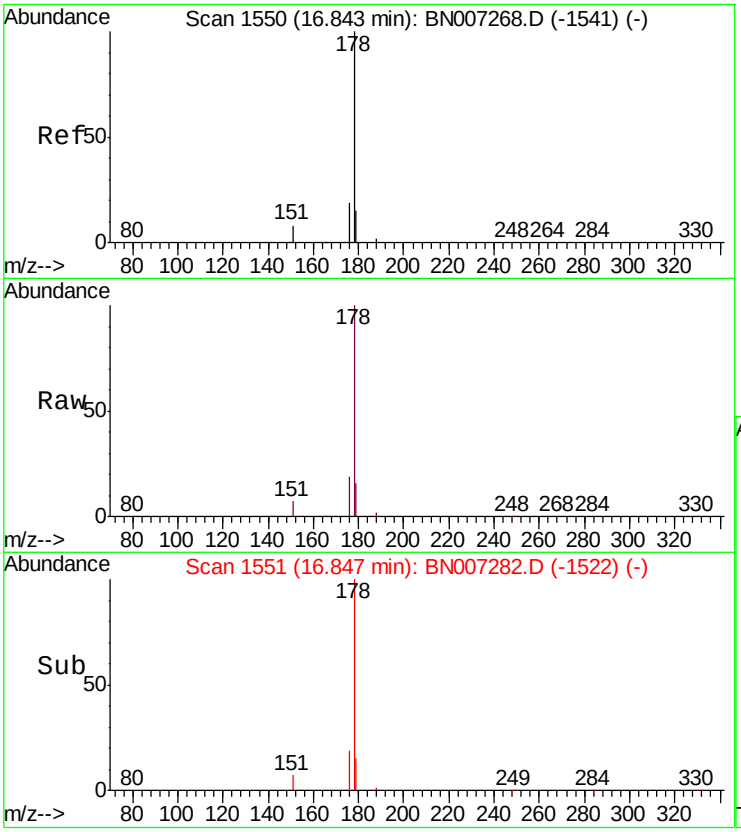


#22
Pentachlorophenol
Concen: 0.393 ng
RT: 16.46 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:266 Resp: 3078

Ion	Ratio	Lower	Upper
266	100		
264	64.2	48.7	73.1
268	65.6	53.5	80.3



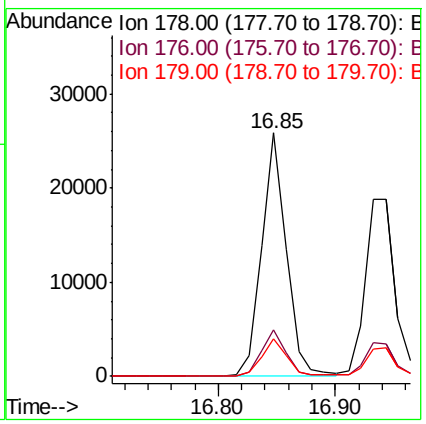


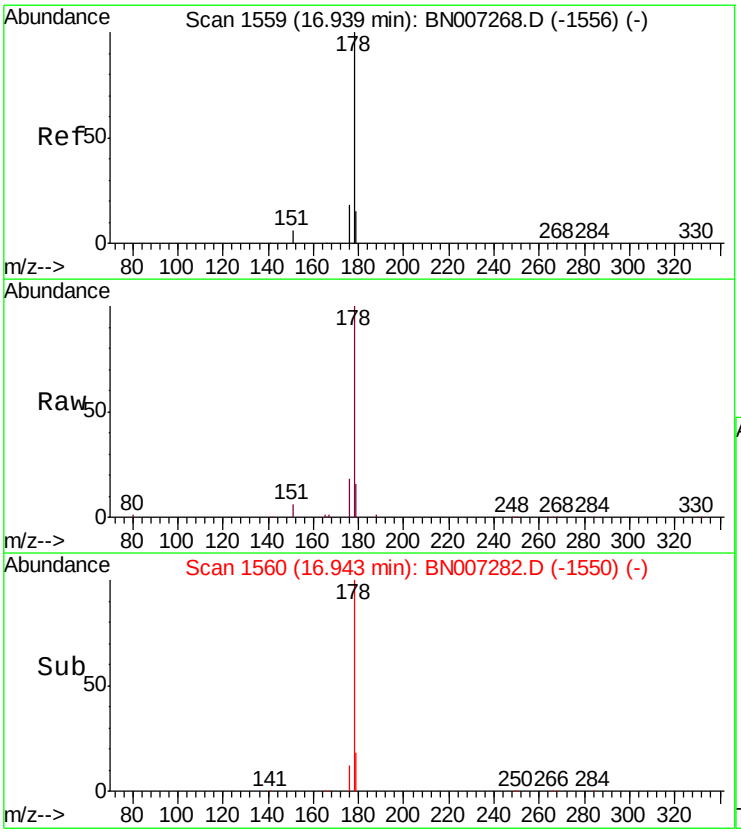
#23
Phenanthrene
Concen: 0.409 ng
RT: 16.85 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 37733

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.4	12.3	18.5

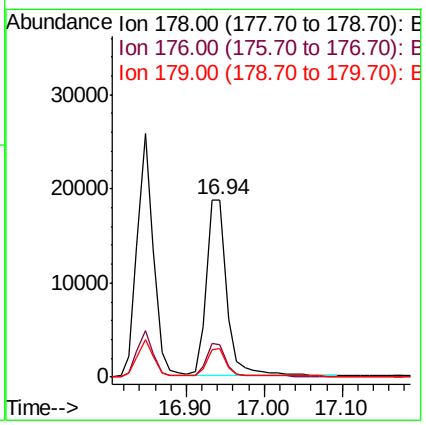


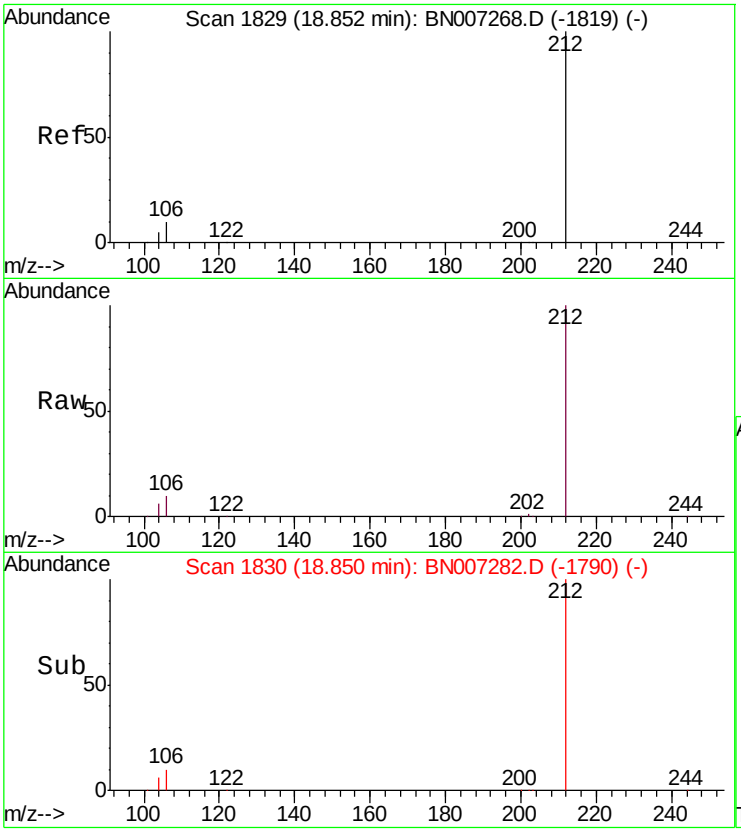


#24
Anthracene
Concen: 0.405 ng
RT: 16.94 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:178 Resp: 33606

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.3	21.5
179	15.5	12.3	18.5



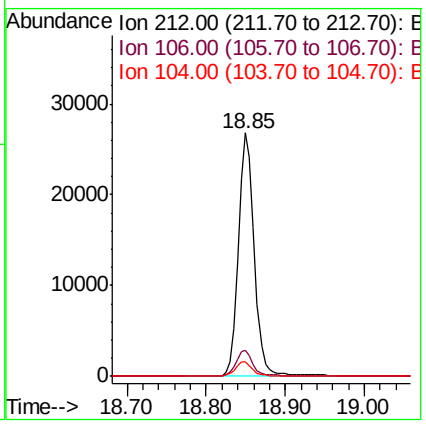


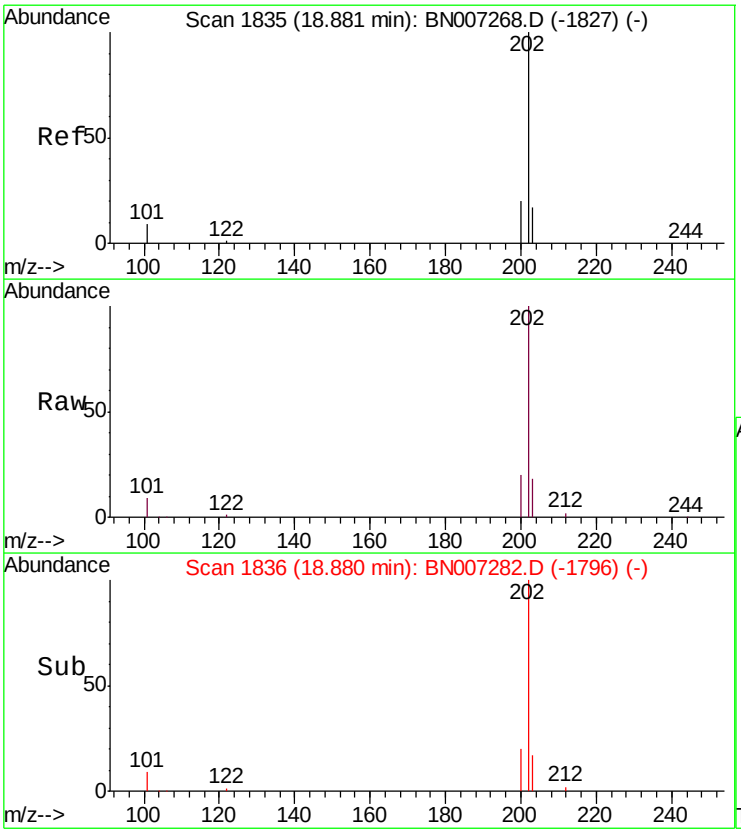
#25
Fluoranthene-d10
Concen: 0.397 ng
RT: 18.85 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 37041

Ion	Ratio	Lower	Upper
212	100		
106	10.5	8.2	12.4
104	5.8	4.7	7.1

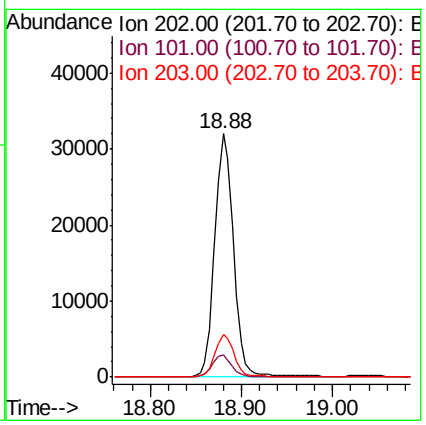


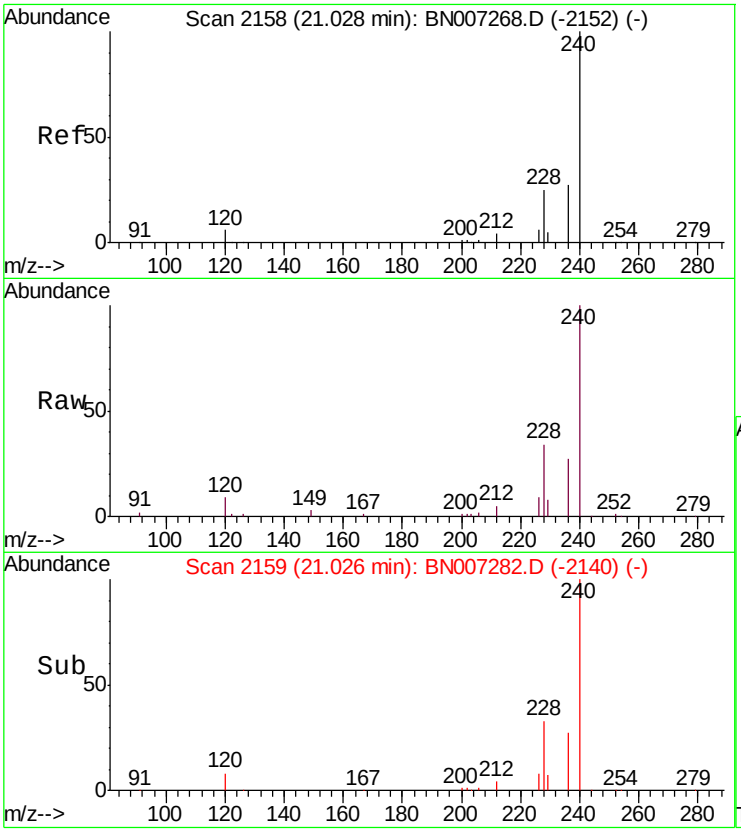


#26
Fluoranthene
Concen: 0.399 ng
RT: 18.88 min Scan# 1836
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:202 Resp: 44601

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.2	10.8
203	17.2	13.8	20.6



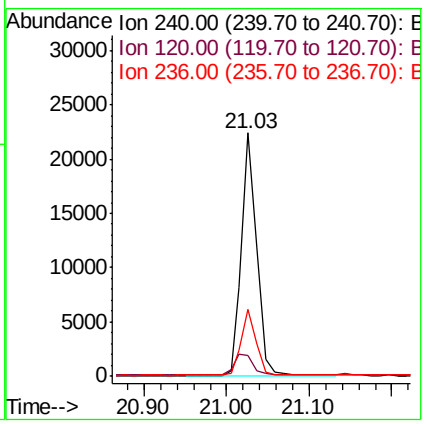


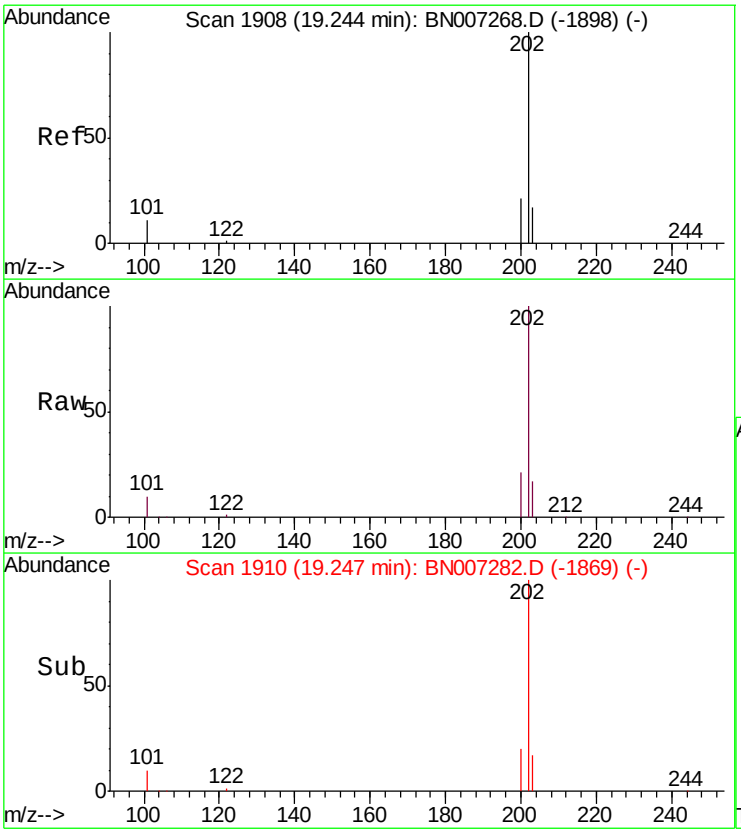
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 28634

Ion	Ratio	Lower	Upper
240	100		
120	8.6	5.6	8.4#
236	27.3	21.6	32.4

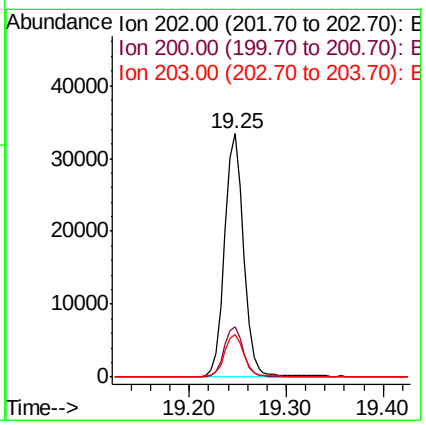


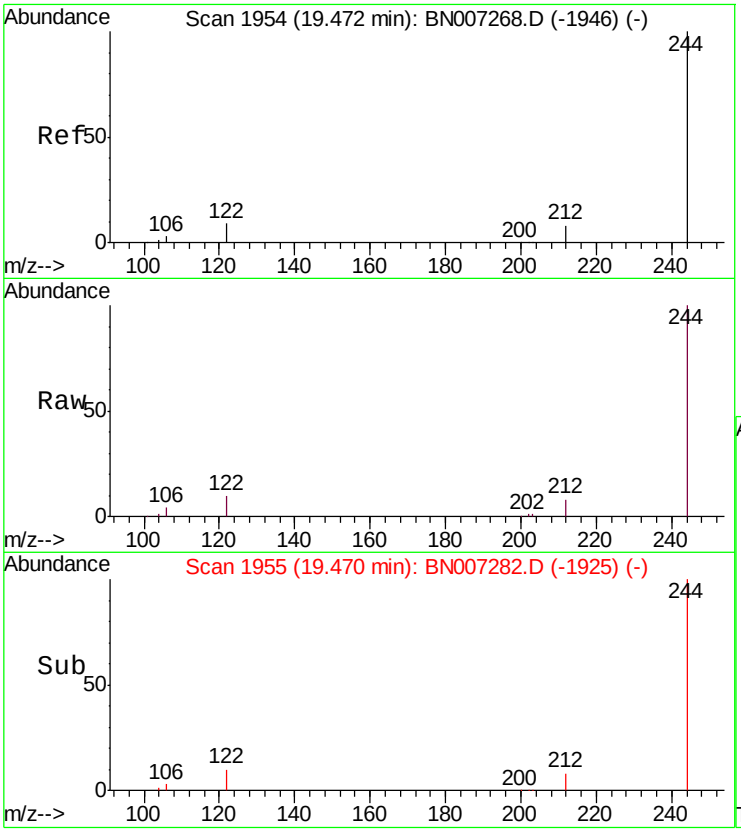


#28
Pyrene
Concen: 0.424 ng
RT: 19.25 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:202 Resp: 45378

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.6	13.9	20.9



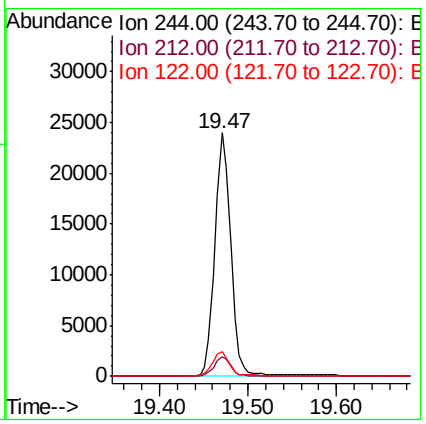


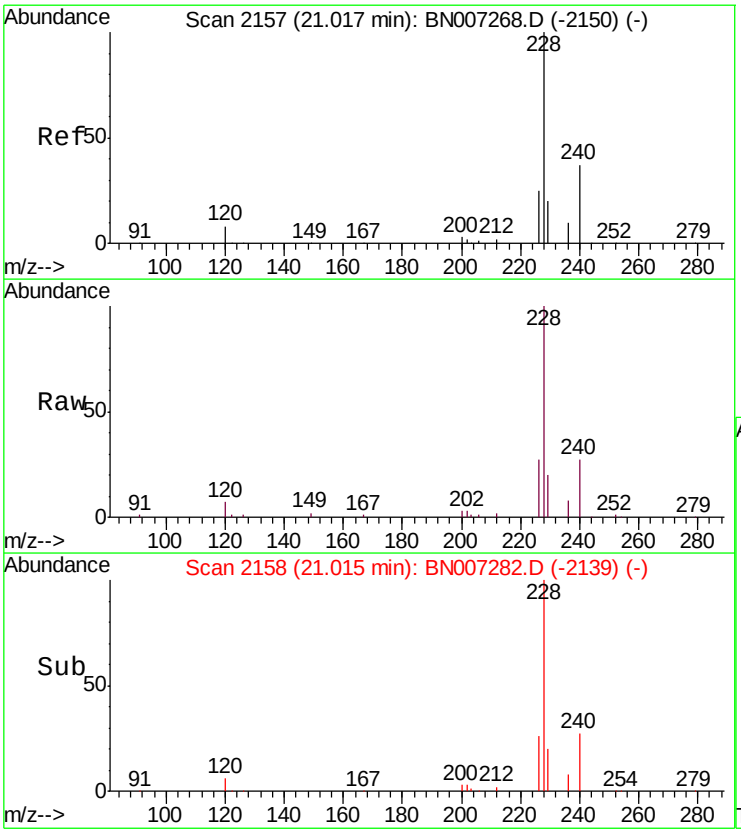
#29
Terphenyl-d14
Concen: 0.414 ng
RT: 19.47 min Scan# 1955
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 29686

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	10.0	7.9	11.9

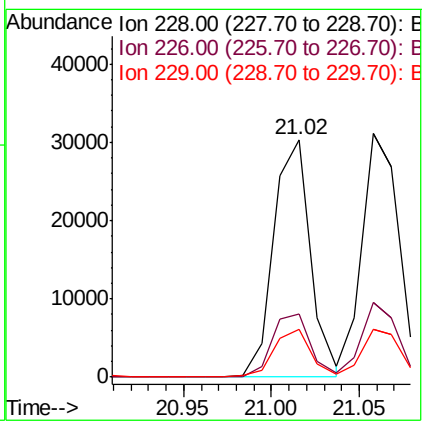


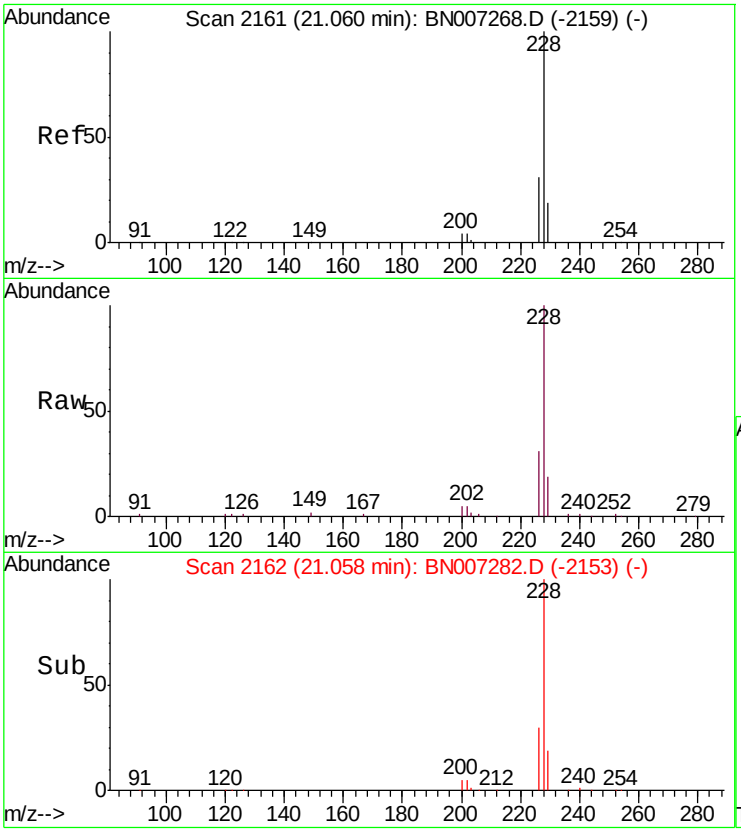


#30
Benzo(a)anthracene
Concen: 0.413 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:228 Resp: 43965

Ion	Ratio	Lower	Upper
228	100		
226	26.5	20.6	30.8
229	20.2	16.9	25.3



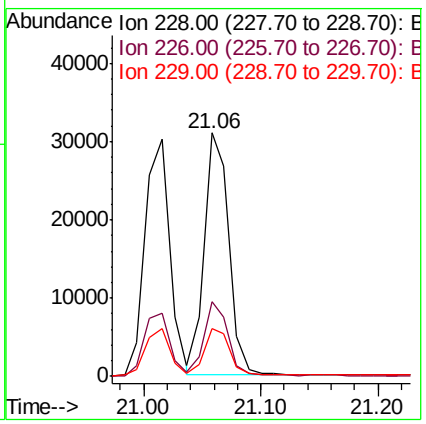


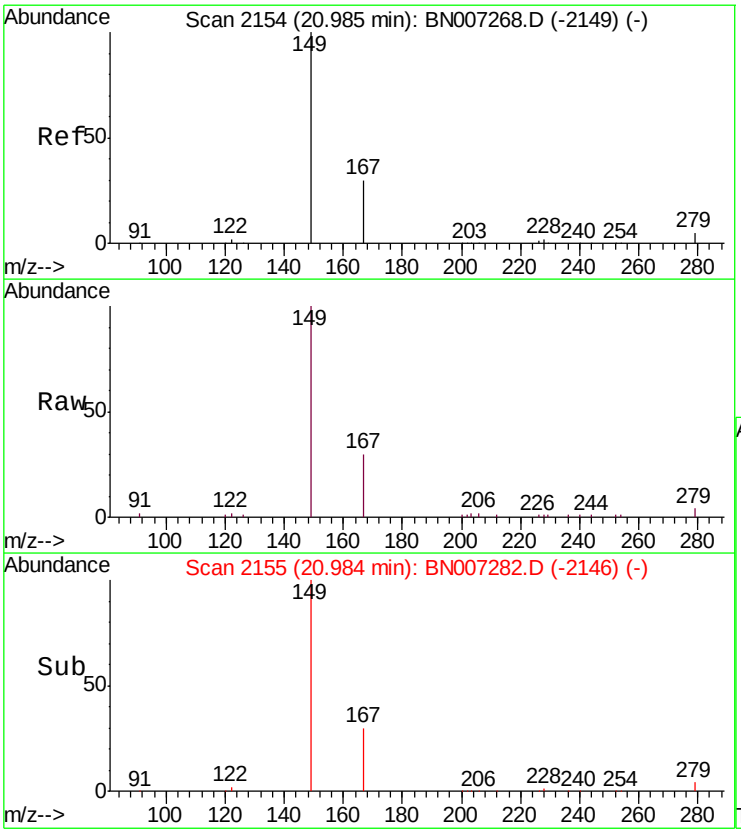
#31
Chrysene
Concen: 0.417 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 45320

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	36.8
229	19.4	15.6	23.4

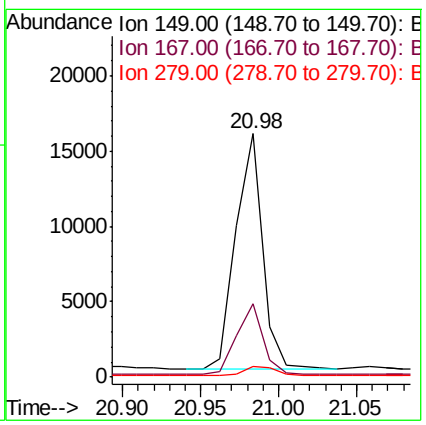


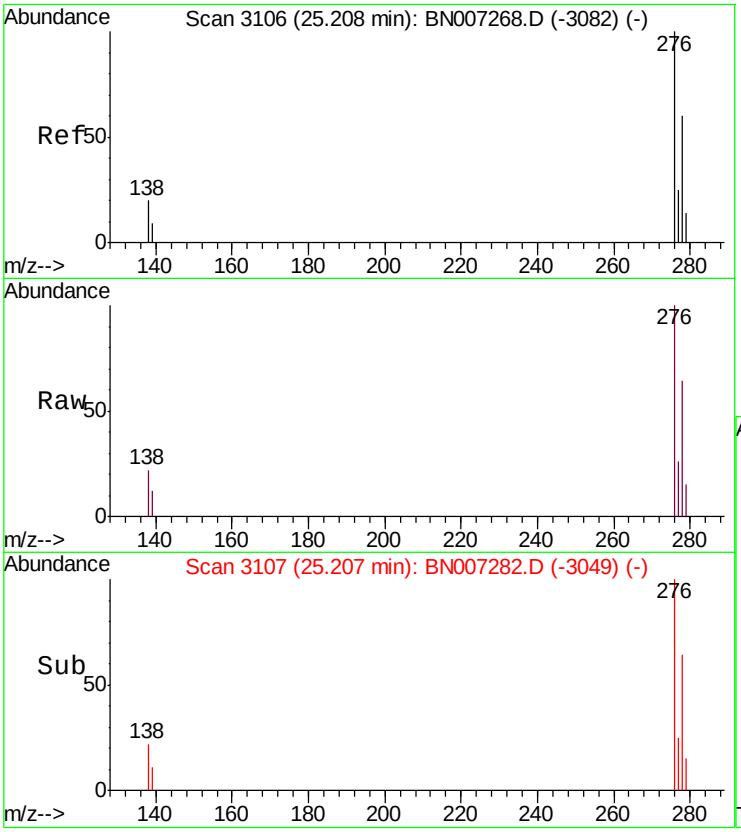


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.437 ng
RT: 20.98 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:149 Resp: 18596

Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.8	35.6
279	4.4	3.8	5.8



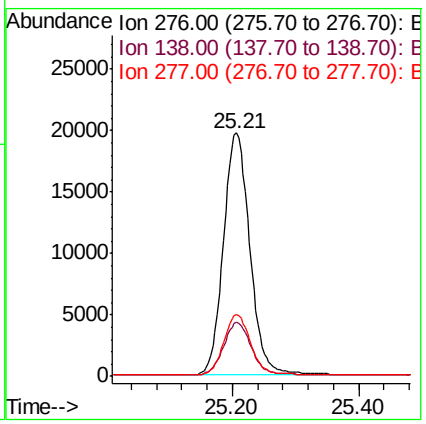


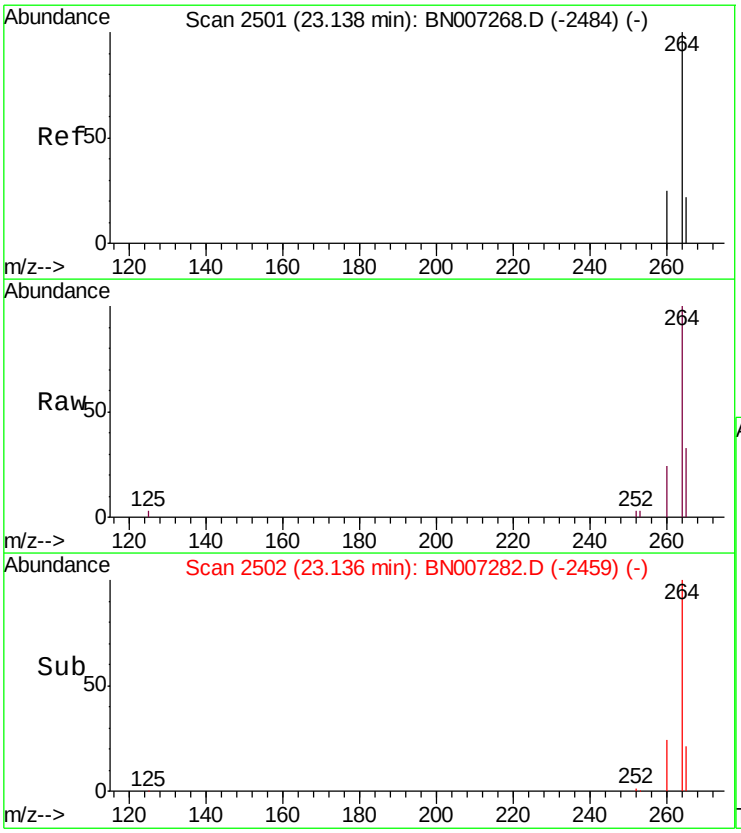
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.441 ng
RT: 25.21 min Scan# 3107
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 57598

Ion	Ratio	Lower	Upper
276	100		
138	22.4	17.1	25.7
277	24.9	20.1	30.1

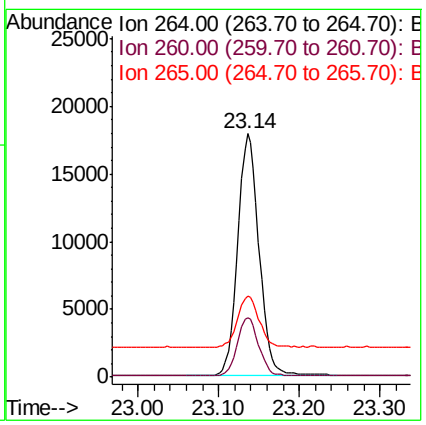


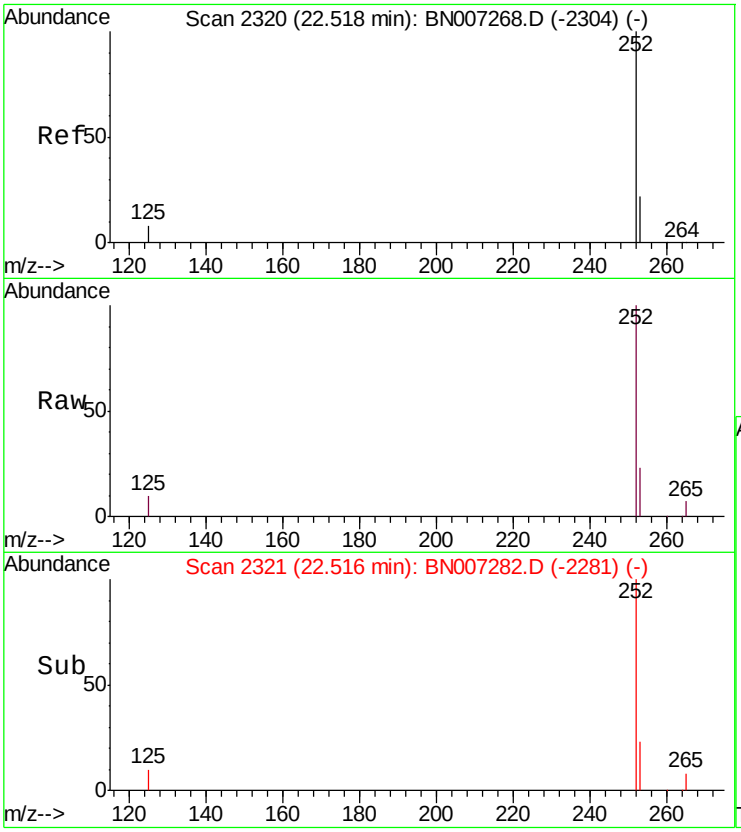


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.14 min Scan# 2502
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:264 Resp: 32697

Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	33.2	29.0	43.6



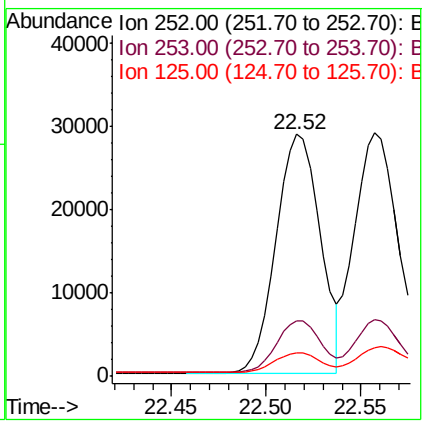


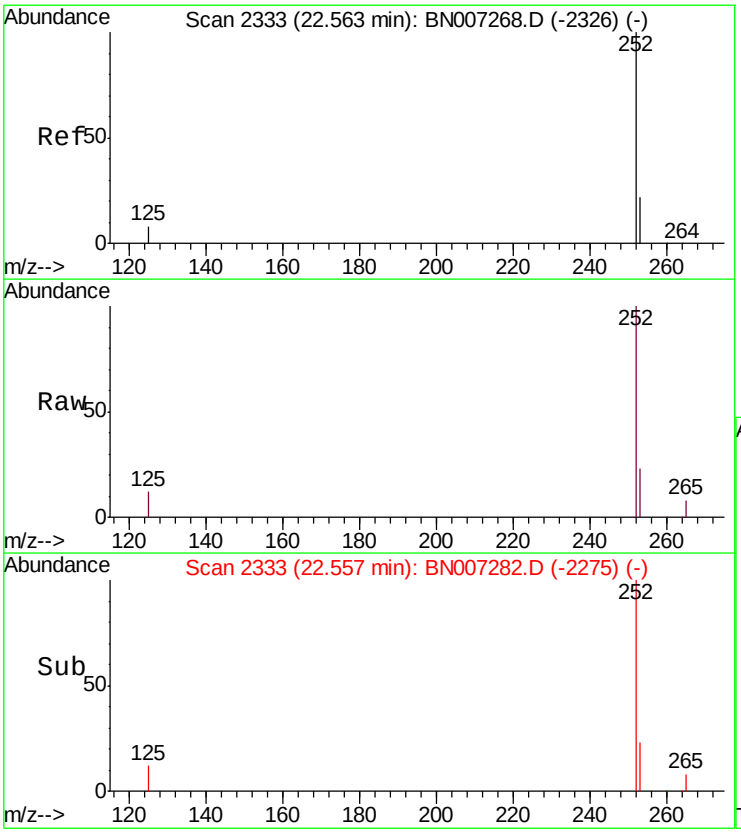
#35
Benzo(b)fluoranthene
Concen: 0.381 ng
RT: 22.52 min Scan# 2321
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 46404

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	9.6	7.8	11.6

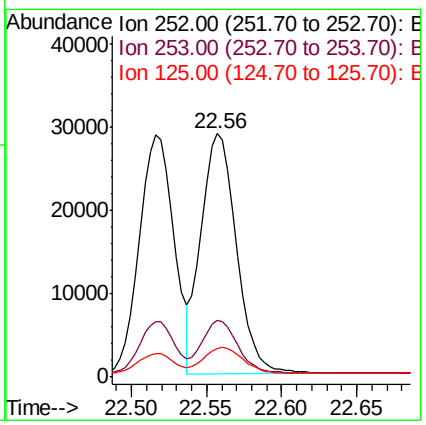


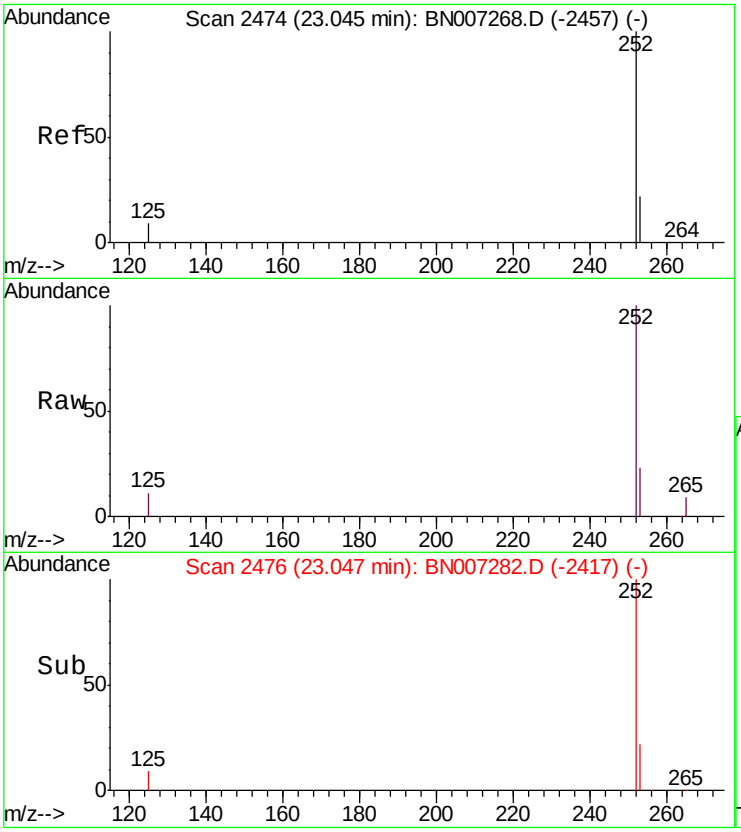


#36
Benzo(k)fluoranthene
Concen: 0.397 ng
RT: 22.56 min Scan# 2333
Delta R.T. -0.01 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:252 Resp: 47374

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	11.7	8.0	12.0



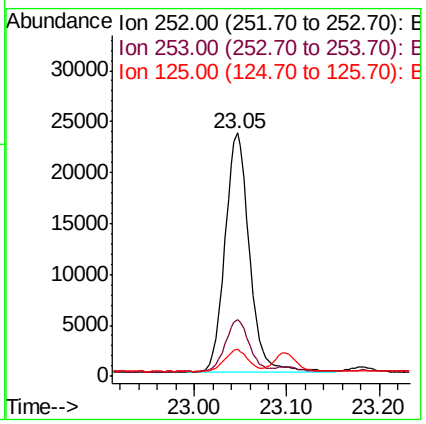


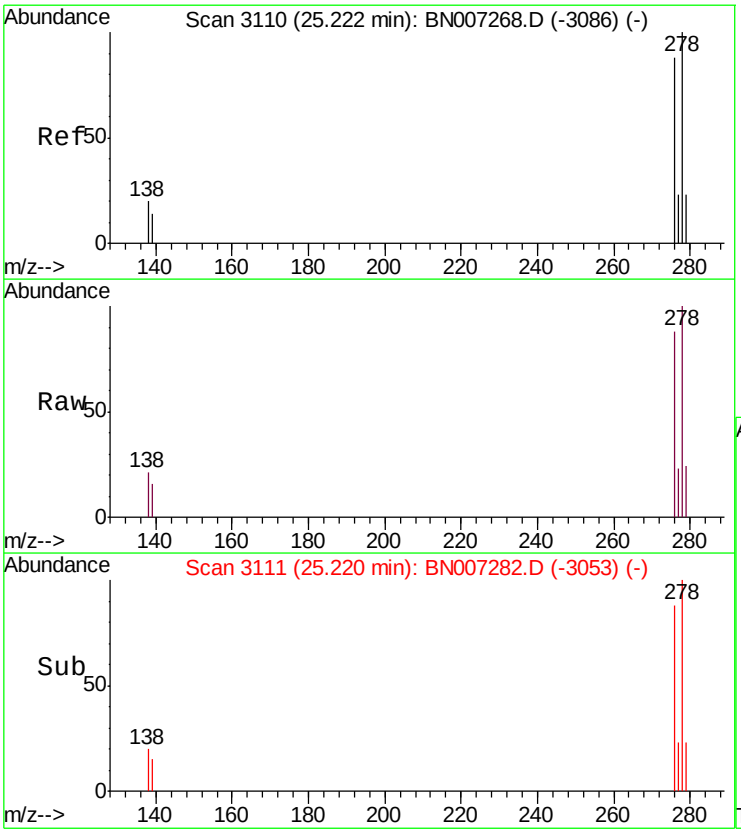
#37
Benzo(a)pyrene
Concen: 0.398 ng
RT: 23.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 43752

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.7	28.1
125	11.0	8.7	13.1

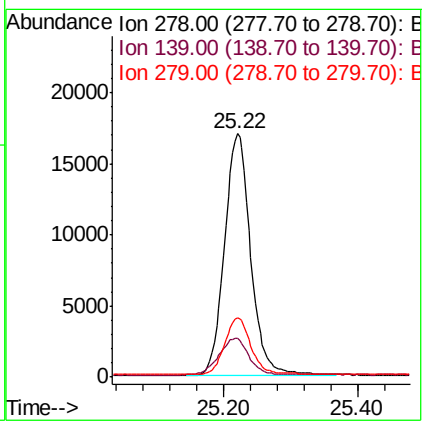


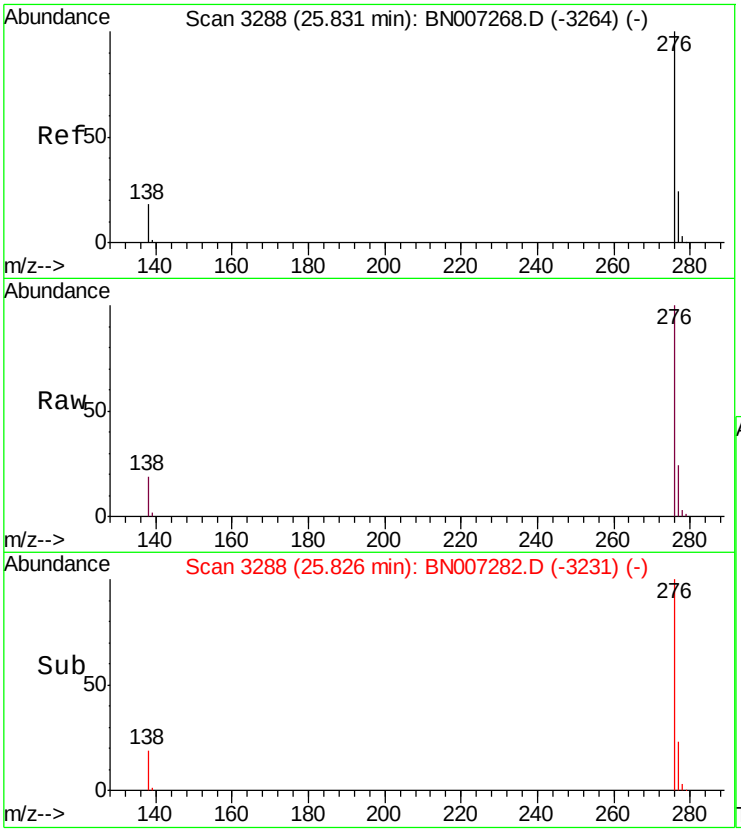


#38
Dibenzo(a,h)anthracene
Concen: 0.403 ng
RT: 25.22 min Scan# 3111
Delta R.T. -0.00 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Tgt Ion:278 Resp: 46560

Ion	Ratio	Lower	Upper
278	100		
139	15.9	11.8	17.8
279	24.3	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.392 ng
RT: 25.83 min Scan# 3288
Delta R.T. -0.01 min
Lab File: BN007282.D
Acq: 21 Aug 2019 06:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 45731

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.5	29.3
138	19.4	15.3	22.9